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DYNAMIC SCIENCE, INC. In-Depth Accident Investigation

Contract Number DTNH22-94-D-27058 Case Number DSI-94-AB-010



TECHNICAL SUMMARY

CONTRACTOR: CONTRACT NUMBER: Dynamic Science, Inc. DTNH22-94-D-27058

CASE NUMBER:

DSI-94-AB-010



This two vehicle crash occurred on an asphalt paved, five-lane, divided urban roadway that interfects a two-lane, westbound entrance ramp during the evening hours of a spring weekday (2004) in Maryland.

Vehicle 1, a 1994 Buick Le Sabre four-door, was being driven southeast at a speed estimated to have been between 56 and 64 KPH (35 and 40 MPH) by the 70 year old male driver (the case occupant) who was restrained by the available three-point manual lap/shoulder restraints. Occupant 2, a 71 year old female, was sitting unrestrained in the right front seating position. Occupant 3, a 12 year old male, was seated in the left rear seating position restrained by the lap restraint of the available three-point manual lap/shoulder restraints. Occupant 4, a 9 year old female, was sitting unrestrained in the right rear seating position.

Vehicle 2, a 1987 International F9370 tractor with a 16.2 m (53 ft) single drop aluminum trailer, was being driven northwest, at a speed estimated to have been between 8 and 16 KPH (5 and 10 MPH), by the 47 year old male driver who was restrained by the available two-point manual lap restraint.

The driver of Vehicle 2 was in the process of beginning a left turn onto an entrance ramp during the green cycle of a left turn traffic signal. The driver of Vehicle 1 disregarded a traffic signal in the red cycle and drove into the travel path of Vehicle 2. The front plane of Vehicle 1 impacted the right front plane of Vehicle 2 in a head-on configuration.

The Delta V for Vehicle 1 was computed, using CRASH III PC, as 39 KPH (24 MPH) using a CDC of 12FDEW3 and a PDOF of 355 degrees. The combined direct and induced damage width was 155 cm (61 in), and the maximum crush depth was 69 cm (27 in) at C_3 . Vehicle 2 is out of scope; however, a TDC of 12FZLW2 was assigned and maximum crush depth of 83.1 cm (32.7 in) was measured at the right front bumper corner $(C_6)^*$. The forces involved in this crash exceeded the manufacturer's threshold in the supplemental restraint system of Vehicle 1, and the driver's side and passenger's side airbags deployed.

* NOTE: Due to insufficient residual scene evidence, a CRASH III - damage only program was run using the immoveable barrier option (variable 11) for Vehicle 2. This reconstruction is extremely marginal, but the resulting Delta V for Vehicle 1 appears to be reasonable within a range of +/- 8 KPH (5 MPH).

At impact, Vehicle 1 rotated clockwise approximately 190 degrees and came to final rest facing northwest on the southwest shoulder of the roadway. Vehicle 2 veered to the left and came to a controlled stop facing west on the south shoulder of the entrance ramp.

The driver of Vehicle 1 (the case occupant) sustained major injuries consisting of fractures, lacerations, abrasions and contusions; maximum AIS = AIS-5. Occupant 2 sustained major injuries consisting of fractures, avulsions and contusions; maximum AIS = AIS-5. The case occupant and Occupant 2 did not require extrication and, once assisted from the vehicle, were transported by air to a regional trauma center where they were admitted for treatment. Occupant 3 sustained moderate injuries consisting of fractures and lacerations; maximum AIS = AIS-2. Occupant 4 sustained moderate injuries consisting of fractures; maximum AIS = AIS-2. Extrication procedures were not required for Occupants 3 and 4 and, once assisted from the vehicle, they were transported to a regional children's trauma center where they were admitted for treatment.

The driver of Vehicle 2 sustained minor injury consisting of a sprain; maximum AIS = AIS-1. He was transported by land to a local hospital where he was treated and released.

Vehicles 1 and 2 were towed from the scene due to damage sustained in this crash.

This research was supported (in part) by the National Highway Traffic Safety Administration (NHTSA), U.S. Department of Transportation, under contract number DTNH22-94-D-27058. The opinions, findings, and recommendations contained herein are those of the authors, and do not necessarily represent those of NHTSA.

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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points be coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

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Abbreviations

ft Feet in Inches

ABS Antilock Brake System
AIS Abbreviated Injury Scale

BLF Begin Left Front
BLR Begin Left Rear
BRF Begin Right Front
BRR Begin Right Rear
CBE Cab Behind Engine
CCW Counterclockwise

CDC Collision Deformation Classification

CG Center of Gravity

CM Centimeter

COE Cab Over Engine

CW Clockwise

E, EB East, Eastbound End Left Front ELF **ELR** End Left Rear End Right Front **ERF** End Right Rear **ERR** Final Rest Position FRP Interstate Highway Ι Intermediate Point ΙP

KG Kilogram

KPH Kilometers Per Hour

LF Left Front LR Left Rear M Meter

N, NB North, Northbound

NE Northeast NW Northwest

PDOF Principal Direction of Force

POI Point of Impact R Radius of Curvature

RF Right Front
RL Reference Line
RP Reference Point
RP Right People

RR Right Rear S, SB South, Southbound

SE Southeast SW Southwest

T Time or Elapsed Time (in seconds)

U.S. United States HighwayV1 Vehicle Number 1W, WB West, Westbound

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ACCIDENT DATA:

Location:

Maryland

Area/Type: Urban

Date/Time: Spring/evening

Accident Type: Car/tractor-trailer - head-on

INJURY SEVERITY:

Vehicle 1: Driver (case occupant): AIS-5

R/F Occupant: AIS-5 L/R Occupant: AIS-2 R/R Occupant: AIS-2

Vehicle 2: Driver: AIS-1

AMBIENCE:

Viewing Conditions: No viewing restrictions

Cloud Cover: Clear

Precipitation: None

Temperature: 4-7° C (40-45° F)

Road Surface: Dry

ROADWAY:

	VEHICLE 1	VEHICLE 2
Type:	5-lanes, divided at a "T" intersection	5-lanes, divided with 2 dedicated left turn lanes at a "T" intersection
Width:	34.0 m (111.6 ft)	34.0 m (111.6 ft)
Traffic Density:	Light to moderate	Light to moderate
Median:	9.0 m (29.7 ft) wide, raised grass	.6 m (2.0 ft) raised concrete (north), 1.2 m (4.0 ft) raised concrete (south)
Edge:	25.4 cm (10.0 in) raised concrete curb, north. 7.1 m (23.4 ft) asphalt paved shoulder, south.	25.4 cm (10.0 in) raised concrete curbs north and south
Surface:	Asphalt	Asphalt
Reported Defects:	None	None
Co-efficient of Friction (est.):	.90	.90
Vertical Alignment:	Downgrade, negative 4%	Upgrade, positive 4%
Horizontal Alignment:	Straight	Straight

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TRAFFIC CONTROLS:

Signals:

Signs:

Speed Limit:

Markings:

VEHICLE 1

On-color red, yellow and green traffic signals

None

56 KPH (35 MPH)

Single, solid, yellow painted line separates SE/B travel lane from raised grass median curb. Single, solid, white painted line separates SE/B travel lane from SW shoulder. Solid, white painted stop line in SE/B travel lane.

VEHICLE 2

On-color red, yellow and green traffic signals

None

56 KPH (35 MPH)

Single, broken, white painted lines separate NW/B travel lanes 1 and 2. Single, solid, yellow painted line separates NW/B travel lane 2 and raised concrete median. Single, solid, white painted line separates NW/B left turn lane 1 and raised concrete median. Single, broken, white painted lines separate NW/B left turn lanes 1 and 2. Single, solid, yellow painted line separate NW/B left turn lane 2 and south raised concrete median. Solid, white painted stop lines are in NW/B left turn lanes 1 and 2.

VEHICLES:

	VEHICLE 1	VEHICLE 2
Description:	1994 Buick LeSabre Limited 4-door	1987 International F9370 CBE tractor with a 16.2 m (53 ft) single drop aluminum trailer
Odometer:	1334.8 km (829.4 mi)	1,427,766.3 km (887,197.1 mi)
Engine:	V6 / 3.8L	8V-92 TAC 450 GHP Detroit diesel (Calif. engine)
Brake System:	ABS	Conventional air on tractor
Vehicle Modifications:	None	None
Tire Condition:	New car - no measurable treadwear, no abnormal tread wear patterns	All 10 tires on tractor poor with more than - 75% treadwear, no abnormal tread wear patterns
Manual Restraints:	3-point, manual lap/shoulder restraints at L/F, R/F, L/R and R/R seating positions. 2-point manual lap restraints at C/F and C/R seating positions.	2-point, manual lap restraint at L/F and R/F seating positions.
Automatic Restraints:	Driver's side and passenger's side airbag	None
Reported Defects:	None	None
Cargo:	None	None - trailer empty
Windshield Damage:	Cracked from impact forces	None
Fleet:	None	None
Tow Status:	Towed due to crash damage.	Towed due to tractor crash damage.

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VEHICLE DAMAGE:

VEHI	CLE 1	VEHICLE 2

Object Struck:

Vehicle 2

Vehicle 1

Event Number:

01

01

CDC:

12FDEW3

(TDC) 12FZLW2

Maximum Crush:

68.5 cm (26.9 in)

83.1 cm (32.7 in) @ C₆ (right front

 $@ C_3$

bumper corner)

VEHICLE VELOCITY ESTIMATES:

VEHICLE 1 VEHICLE 2

Impact Speed (estimated):

56 to 64 KPH

8 to 16 KPH

(35 to 40 MPH)

(5 to 10 MPH)

Out of scope

Total Delta V:

*39.1 KPH (24.3 MPH)

Longitudinal Delta V:

-39.0 KPH

(-24.2 MPH)

Lateral Delta V:

3.4 KPH

(2.1 MPH)

Energy Dissipation:

107,009.1 j

(78,915.3 ft-lb)

Calculations based upon: Crash III PC - damage only (using immoveable barrier code 11 for

Vehicle 2)

*NOTE:

The above reconstruction is very marginal. The

Delta V seems to be reasonable. Due to a lack of residual scene evidence, other reconstruction

calculations could not be made.

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COLLISION SEQUENCE:

PRE-CRASH:

This two vehicle crash occurred during the evening hours of a spring weekday on a five-lane, divided, asphalt paved, urban roadway at its intersection with a two-lane, one-way, westbound entrance ramp in Maryland. The weather was clear, there were no viewing restrictions, and the road surface was dry and free of defects. The posted speed limit, for both directions of travel was 64 KPH (45 MPH) and traffic volume was light to moderate.

Northwest of the intersection, the SE bound travel lane is separated from the southwest 7.1 m (23.4 ft) asphalt paved shoulder by a single, solid, white painted line. The NE edge of the SE bound travel lane is separated from the 9.1 m (29.9 ft) raised grass median by a single, solid, yellow painted line at the median's 25.4 m (10.0 in) raised concrete curb. There is a single, solid white stop line painted on the road surface for SE bound traffic. The northeast edge of the raised grass median is a 25.4 m (10.0 in) raised concrete curb. The two NW bound travel lanes are separated by single, broken, white painted lines, and NW bound travel lane 1 is separated from the northeast asphalt paved shoulder by a single, solid, white painted line.

Southeast of the intersection, the SE bound travel lane is separated from the 7.1 m (23.4 ft) southwest asphalt paved shoulder by a single, solid, white painted line. The northeast edge of the SE bound travel lane is separated from a 1.2 m (4.0 ft) raised concrete median by a single, solid, yellow painted line. A single, solid yellow painted line at the northeast edge of the median marks the southwest edge of the NW bound left turn lane 2. A single, broken white painted line separates left turn lane 2 and left turn lane 1. The northeast edge of NW bound left turn lane 1 is a single, solid white painted line at a .6 m (2.0 ft) raised concrete median that separates the left turn lanes from the NW bound through travel lanes. The two NW bound through travel lanes are separated by a single, broken, white painted line. NW bound travel lane 1 is separated from a NW bound entrance ramp merge lane by a single, broken, white painted line. The northeast edge of the merge lane is separated from the northeast asphalt paved shoulder by a single, solid, white painted line.

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SE bound through traffic and NW bound left turning traffic are controlled by on-color green, yellow and red traffic signals. The co-efficient of friction for the roadway is estimated to be .90, there is a negative four percent downgrade for SE bound traffic and the roadway is straight.

Vehicle 1, a 1994 Buick Le Sabre Limited four-door equipped with ABS, was being driven southeast in the SE bound travel lane at a speed estimated to have been between 56 and 64 KPH (35 and 40 MPH) by the 70 year old male driver (the case occupant). The driver was wearing the available three-point manual lap/shoulder restraints in a normal and proper manner. Occupant 2, a 71 year old female, was seated in the right front seating position, and was not wearing the available three-point manual lap/shoulder restraints. Occupant 3, a 12 year old male, was seated in the left rear seating position. Occupant 3 was improperly restrained using only the lap belt portion of the available three-point manual lap/shoulder restraint. The shoulder restraint was apparently behind his back. Occupant 4, a 9 year old female, was seated in the right rear seating position and was not wearing the available three-point manual lap/shoulder restraints.

Vehicle 2, a 1987 International F9370 CBE tractor with a 16.2 m (53 ft) single drop aluminum trailer, was being driven northwest in the NW left turn lane, at a speed estimated to have been between 8 and 16 KPH (5 and 10 MPH), by the 47 year old male driver who was restrained by the available two-point manual lap restraint.

The driver of Vehicle 2 was in the process of turning left onto the westbound entrance ramp from a stopped position in NW bound left turn lane 1. The left turn traffic signal was in the green cycle for turning NW bound traffic. The driver of Vehicle 1 disregarded the SE bound traffic signal, which was in the red cycle, and drove into the travel path of Vehicle 2.

CRASH:

As the driver of Vehicle 1 applied the brakes, the front plane of the vehicle impacted the right front plane of Vehicle 2 in a head-on configuration with the front bumper of Vehicle 1 under riding the front bumper of Vehicle 2.

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The Delta V for Vehicle 1 was computed, using CRASH III PC, as 39.1 KPH (24.3 MPH) using a CDC of 12FDEW3 and a PDOF of 355 degrees. The combined direct and induced damage width was 155 cm (61 in), and the maximum crush depth was 68.5 cm (26.9 in) at C₃ measured at the radiator upper support plane, and 56.2 cm (22.1 in) at C₁ on the front bumper plane*. Vehicle 2 is an out of scope vehicle; however, a TDC of 12FZLW2 was assigned with a PDOF of 5 degrees, and a maximum crush depth of 83.1 cm (32.7 in) measured at the right front bumper corner (C₆). The forces in this crash exceeded the manufacturer's threshold in the supplemental restraint system of Vehicle 1, and the driver's side and passenger's side airbags deployed.

* NOTE: Due to insufficient residual scene evidence, a CRASH III - damage only program was run using the immoveable barrier option (variable 11) for Vehicle 2. This reconstruction is extremely marginal, but the resulting Delta V for Vehicle 1 appears to be reasonable within a range of +/- 8 KPH (5 MPH).

POST CRASH:

At impact, Vehicle 1 rotated clockwise approximately 190 degrees and came to final rest facing northwest 7.3 m (24.1 ft) west and 5.1 m (16.7 ft) northwest of the POI. Vehicle 2 was brought to a controlled stop facing west on the south shoulder of the entrance ramp. The precise FRP for Vehicle 2 could not be identified during the on-site scene examination.

OCCUPANT KINEMATICS:

The 70 year old male driver of Vehicle 1 (the case occupant) was seated on a split bench seat with separate back rests in a normal, upright seated position. The 180 cm (71 in), 88 kg (195 lb) driver was wearing the available three-point, manual lap/shoulder restraints, and it appears that he had adjusted the left front electric seat to a position approximately 3/4 of the full rearward position. The seat height adjustment and the seat back rest positions could not be accurately determined due to seat deformation caused by rear seat occupant loading.

At impact, the driver had both hands on the steering wheel rim at unknown o'clock positions. His right foot was on the left side of the brake pedal and his left foot was on the floor/toe pan. Based on driver injuries and on-site vehicle inspection, the driver appears to have been well braced into the left front seat back support with upper and lower extremities extended and joints locked.

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The driver was projected forward at impact, loading the lap/shoulder restraints and contacting the deploying airbag with his face. Simultaneously, the left front seat back support was loaded by the left rear occupant, who was apparently bracing for impact with both feet on the seat back. As Vehicle 1 began the post crash clockwise rotation, the seat back was further loaded as the right rear occupant was projected to the left and impacted the seat back support. This double loading resulted in the deformation of the seat track/anchor and the left front seat rotated forward and upward (see photos # 44 and # 50).

This loading and seat movement resulted in the driver further loading the three-point, manual lap/shoulder restraints (see slides # 41 and # 42) and he sustained bilateral multiple rib fractures with a right pneumothorax, fractured sternum, a left extra pleural hematoma, right chest wall abrasion and a hematoma of the left neck from shoulder restraint loading. As he loaded the lap restraint, he sustained a bilateral abrasion of the lower abdomen.

At impact, the driver's forward movement, and his braced posture, resulted in his right foot deforming, then slipping off, the brake pedal (see photo #42) onto the intruding toe pan and he sustained a right trimalleolar fracture. In addition, his right knee impacted the left instrument panel resulting in an abrasion of that knee.

Occupant 2, an 71 year old female, was sitting in a normal, upright seated position on a split bench seat with separate backs in the right front seating position. At the time of the crash, Occupant 2 was 157 cm (62 in) in height and weighed 60 kg (132 lb). She was not restrained by the available three-point manual lap/shoulder restraints.

At impact, Occupant 2 submarined the deploying passenger side airbag and her face contacted the lower left portion of the airbag (see photos # 48 and # 49). Her right knee impacted the right instrument panel resulting in a fracture of the right acetabulum from axial loading. As Vehicle 1 began its clockwise post-crash rotation, Occupant 2 was projected sharply to the left as she continued to submarine. Her right lower leg impacted the underside of the right instrument panel and heater/AC duct works resulting in an avulsion (de-gloving) of the lower right leg. Her chest also impacted the right lower instrument panel resulting in a flail chest and her left arm impacted the center instrument panel resulting in an open fracture of the left humerus. She also sustained a right abdominal wall contusion from contact with the right instrument panel.

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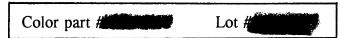
Occupant 3, a 12 year old male, was improperly restrained by the lap portion of the available three-point, manual lap/shoulder restraints, in the left rear seating position. At impact, he had both of his legs extended and his feet braced against the left front seat back support. He was projected forward and his abdomen loaded the lap restraint causing his head and upper torso to project downward. This forward, downward motion resulted in lacerations of the jejunum-ileum from lap restraint loading and a chance L-2 spinal fracture caused by inertial forces as his upper torso was projected downward.

Occupant 4, a 9 year old female, was sitting unrestrained in the right rear seating position, and was also apparently bracing for the impact with both legs extended and both feet on the right front seat back support. At impact, she was projected forward, loading the seat back support, resulting in right and left femur shaft fractures.

SUPPLEMENTAL RESTRAINT SYSTEM:

The case vehicle, 1994 Buick Le Sabre Limited four-door, was equipped with driver's side and passenger's side airbags that deployed as a result of a head-on crash with a 1987 International F9370 CBE tractor/trailer combination.

<u>Driver's Side Airbag</u>: The driver's side airbag was manufactured by and had the following bar code tag on the back side of the bag:



The airbag had a vertical opening seam, as oriented to the top of the steering wheel, and the flaps opened to the left and right at deployment. Inside the module were two electric contact devices to allow for steering wheel hub horn activation. These devices were shaped and marked as follows:



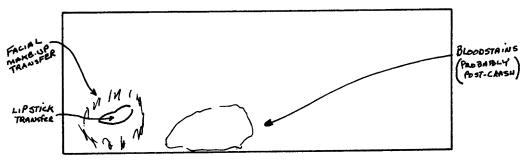


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The airbag was not damaged during the crash sequence and did not yield evidence of occupant contact - the blood stains on the bag fabric apparently occurred post crash. The airbag measured approximately 60 cm (23.6 in) in diameter in its deflated, post crash state. The airbag was vented by two vent ports on the back side of the bag (away from the driver). The 2.5 cm (1.0 in) diameter vent ports were located at the 9:00 and 3:00 o'clock positions approximately 8.0 cm (3.0 in) from the airbag seam. The airbag was not tethered.

At the time of Dynamic Science's on-site inspection that occurred 17 days post crash, the airbag contained approximately ten vertical fold creases and three horizontal fold creases as oriented to the top of the steering wheel.

<u>Passenger's Side Airbag</u>: The passenger's side airbag was also manufactured by Morton International. At the time of the on-site vehicle inspection, there were no manufacturer's numbers, tags or stamps found on the airbag. However, there was evidence of occupant contact in the lower left quadrant of the bag:



The airbag measured approximately 65 cm (25.6 in) in length and 50 cm (19.7 in) in height in its deflated, post crash state. The airbag was vented by two vent ports - one on the left side panel of the airbag and one on the right side panel. The vent ports measured 4.5 cm (1.8 in) in diameter. The airbag was not tethered and there was no evidence of fold creases in the bag fabric.

SCENE CLEARANCE:

The driver of Vehicle 1 (the case occupant) sustained major injuries consisting of fractures, lacerations, abrasions and contusions; maximum AIS = AIS-5. The driver was not entrapped and extrication procedures were not required to remove him from the vehicle. He was transported by air to a regional trauma center where he was admitted for treatment. Occupant 2, the right front passenger, sustained major injuries consisting of fractures, avulsions and contusions; maximum AIS = AIS-5. This

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occupant was not entrapped and did not require extrication procedures to remove her from the vehicle. She was transported to a regional trauma center by air, and was admitted for treatment. Occupant 3 sustained moderate injuries consisting of fractures and lacerations; maximum AIS = AIS-2. Occupant 4 sustained moderate injuries consisting of fractures; maximum AIS = AIS-2. Extrication procedures were not required to remove Occupants 3 and 4 from the vehicle. They were both transported by air to a regional children's trauma center, and both were admitted for treatment.

The driver of Vehicle 2 sustained minor injury consisting of a sprain; maximum AIS = AIS-1. He was transported by land to a local hospital where he was treated and released.

Vehicle 1 sustained major frontal damage in this crash and was towed from the scene. The power unit of Vehicle 2 sustained major frontal damage, but the cargo unit was not damaged. However, both units were towed from the scene.

SAFETY STANDARDS:

There were no violations of the Federal Motor Vehicle Safety Standards noted during the on-site inspections of Vehicles 1 and 2.

A Federal Motor Carrier Safety inspection was not performed on Vehicle 2. However, the following was noted:

- 1. The power unit brakes appeared to be in proper adjustment.
- 2. Tire tread depth was below acceptable levels.
- 3. The cargo unit could not be located for inspection, but its reported length of 16.2 m (53.0 ft) was in violation of Maryland's 14.6 m (48.0 ft) maximum trailer length.

DRIVER AND OTHER OCCUPANTS:

VEHICLE 1

	DRIVER (case occupant)	OCCUPANT 2
Age/Sex:	70 years old/male	71 years old/female
Seated Position:	Left front	Right front
Seat Type:	Split bench with separate backs	Split bench with separate backs
Height:	180 cm (71 in)	157 cm (62 in)
Weight:	88 kg (195 lb)	60 kg (132 lb)
Occupation:	Retired	Homemaker
Pre-existing Medical Condition:	None known	None known
Alcohol/Drug Involvement:	None	None
Driving Experience:	60+ years	N/A
	7 · · · ·	
Body Posture:	Normal, upright seated position	Normal, upright seated position
Body Posture: Hand Position:	Normal, upright seated	
•	Normal, upright seated position Both hands on steering wheel	position
Hand Position:	Normal, upright seated position Both hands on steering wheel rim, exact positions unknown Right foot on brake pedal,	position Unknown

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DRIVER AND OTHER OCCUPANTS (con't):

VEHICLE 1

OCCUPANT 3 OCCUPANT 4

Age/Sex: 12 years old/male 9 years old/female

Seated Position: Left rear Right rear

Seat Type: Bench Bench

Height: Unknown Unknown

Weight: Unknown Unknown

Occupation: Student Student

Pre-existing MedicalNone known **Condition:**None known

Alcohol/Drug Involvement: None None

Driving Experience: N/A N/A

Body Posture:

Upright seated
Upright seated
position with both
Upright seated
position with both

legs extended forward legs extended

forward

Hand Position: Unknown Unknown

Foot Position: Both feet on L/F seat Both feet on R/F

back support seat back support

Restraint Usage: Lap portion only of None

available 3-point manual lap/ shoulder

restraint

Additional Occupants: 1 None

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DRIVER AND OTHER OCCUPANTS (con't):

VEHICLE 2

DRIVER

Age/Sex: 47 years old/male

Seated Position: Left front

Box mounted bucket **Seat Type:**

Height: Unknown

Unknown Weight:

Truck driver Occupation:

Pre-existing Medical

None known

Condition:

Alcohol/Drug Involvement: None

Driving Experience: Unknown

Normal, upright seated **Body Posture:**

position

Hand Position: Left hand on steering wheel

rim, right hand on gear shift

lever

Foot Position: R. foot on accelerator pedal,

L. foot on clutch pedal

2-point manual lap restraint **Restraint Usage:**

Additional Occupants: None

INJURIES:

Vehicle 1

	<u>INJURY</u>	AIS/OIC CODE	<u>ICD-9</u>	SOURCE
DRIVER: (case occupant)	Fractures, bilateral multiple ribs with R. pneumothorax	2450242.5,3411100	807.09	Shoulder restraint
	Fracture, sternum	2450804.2,4411100	807.2	Shoulder restraint
	Hematoma, L. extra pleural	2441804.2,2411100	862.29	Shoulder restraint
	Fracture, R. Trimalleolar (pylon)	2851612.2,1591100	824.6	Brake pedal
	Abrasion, R. Chest wall	2490202.1,1411100	911.0	Shoulder restraint
	Laceration, R. forehead	2290602.1,7977700	873.42	Unknown
	Laceration, L. forehead	2290602.1,7977700	873.42	Unknown
	Hematoma, Left neck	2390402.1,2411100	920	Shoulder restraint
	Laceration, R. 4th finger	2790602.1,1091100	883.0	L. Inst. panel
	Abrasion, lower abdomen (whole area)	2590202.1,0411100	911.0	Lap restraint
	Abrasion, R. knee	2890202.1,1091100	916.0	L. Inst. panel
R/F Occupant:	Flail chest	2450266.5,3111100	807.4	R. Inst. panel
	Fracture, L. humerus (open)	2752604.3,2101100	812.31	C. Inst. panel
	Avulsion, R. lower leg (degloving)	2894006.3,1111100	891.0	R. Inst. panel
	Fracture, R. Acetabulum	2852602.2,1111100	808.0	R. Inst. panel
	Contusion, R. abdominal wall	2590402.1,1111100	922.2	R. Inst. panel

INJURIES:

Vehicle 1		*		
L/R Occupant:	Fracture, Chance - L/2	2650630.2,8921300	806.4	Inertial forces
	Laceration, jejunum - ileum	2541422.2,8411100	863.20	Lap restraint
R/R Occupant:	Fracture, R. femur shaft	2851816.2,1401200	821.0	R/F seat back support
	Fracture, L. femur shaft	2851816.2,2401200	821.0	R/F seat back support

INJURIES:

Vehicle 2

INJURY AIS/OIC CODE ICD-9 SOURCE

DRIVER: Sprain, L. Wrist 8751420.1,2041100 842.00 Steering wheel rim

Seat adjusted to:

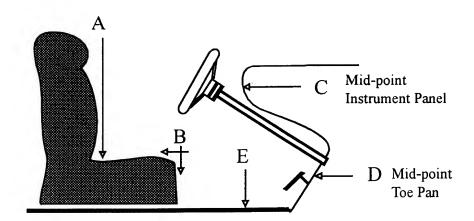
Forward____

Midpoint_

Rearward 3/4 76 FULL REARWARD

Seat Type:

Electric <u>k</u>
Manual

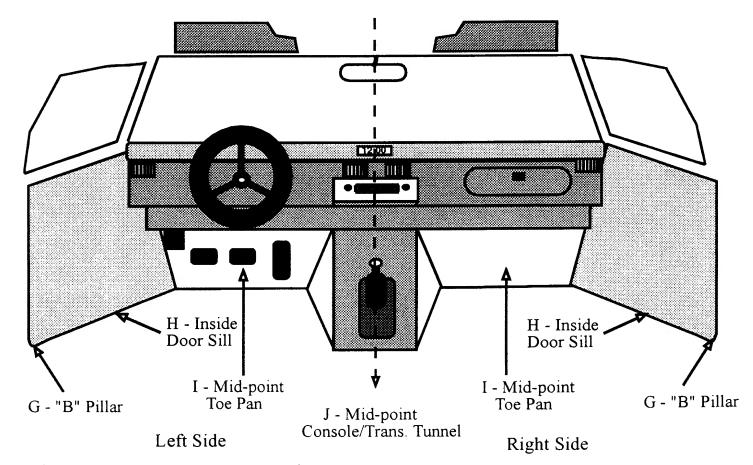


Left Side

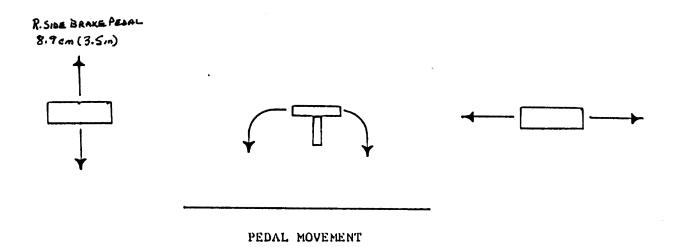
A-B	45.7	cm	18.6	in
B-C	19.1	cm	7.5	in
B-D	54.1	cm	21.3	in
A-B-C _	99.8	cm	<i>3</i> 9.3	in
C-E	44.2	_ cm	17.4	in
B-E	19.3	_ cm	7.6	in

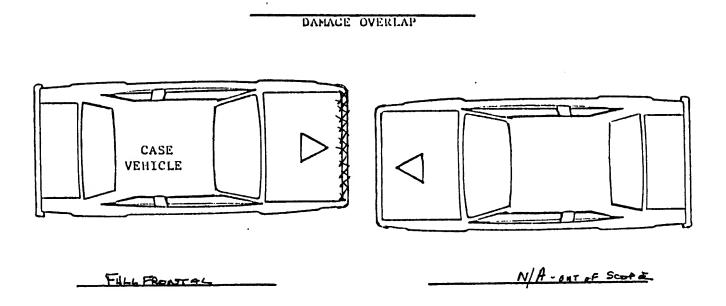
Right Side

A-B	45.1	_ cm _	18.4	_in
В-С	25.9	cm	14.2	_in
B-D	63.3	_ cm _	25.4	_in
A-B-C	169.4	cm	43.4	_in
С-Е	51.4	_ cm	24.4	_in
В-Е	26.¢	cm	14.2	_in

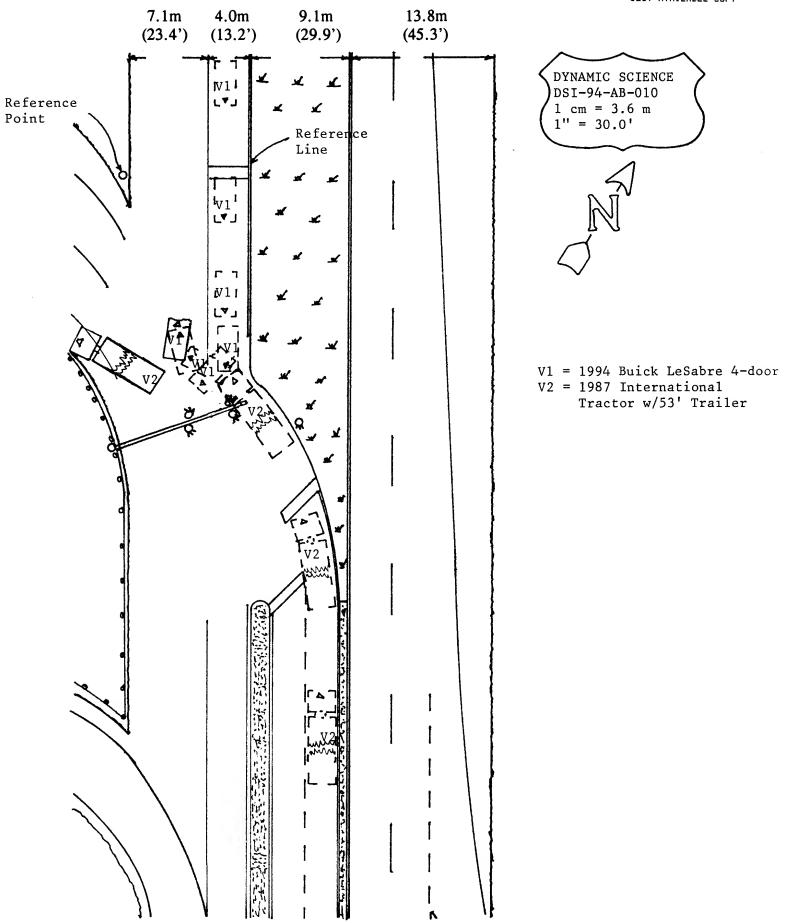


G-I	127.5	_ cm	54.2	in
H-J	68.6	_ cm _	21.\$	in





ST	EERING COLUMN	WORKING	nyanaman.	
		LUMN COLLAPSE		
Steering Column S	SHEAR CAPSULE		Extruder Extruder	
Right V = Direction and Magnitude	of Steering Column Moveme	Residual Estimates		Column Recovery
	STEERING CO	LUNIN MOVEMEN	T	
1-	rument Panel Dashpaneli	ral Movement	Longitud	Instrument Panel Dashpanel
	COMPARISON VALUE	DAMAGE	O VALUE = 1	MOVEMENT
VERTICAL	ج با	Port of T.	=	
LATERAL	WENW	verne	=	
LONGITUDINAL	COMPARISON VALUE	-	. =	
		SPOKE DEFORM	NOIT	
COMPARISON	/ALUE - DAMA	GED VALUE	= DEFOR	MATION
	- / '	P	=	



COLLISION MEASUREMENTS Case Number DSI-94-AB-10

Reference Point:

Illuminaire, south edge SE/NW roadway

Reference Line:

SW curb line, raised grass median

DATA POINT	LONGITUDINALS	LATERALS
North edge of roadway	0	22.9 m (75.2ft) N
North edge, raised grass median	0	9.1 m (29.9ft) N
South edge, raised grass median	0	0
Single white line (SE/B travel lane)	0	4.0 m (13.2ft) S
South edge roadway	0	11.1 m (36.6ft) S
North edge, north raised concrete median	45.7 m (150.0ft) E	9.3 m (30.4ft) N
South edge, north raised concrete median	45.7 m (150.0ft) E	8.7 m (28.4ft) N
Broken, white line (NW/B left turn lane 1)	45.7 m (150.0ft) E	5.0 m (16.5ft) N
North edge, south raised concrete median (NW/B left turn lane 2)	45.7 m (150.0ft) E	1.2 m (4.0ft) N
South edge, south raised concrete median	45.7 m (150.0ft) E	0
POI (gouge) Vehicle 1 and Vehicle 2	21.0 m (69.0ft) E	2.5 m (8.3ft) S
FRP - V1		
L/F wheel	13.7 m (44.9ft) E	7.6 m (25.0ft) S
R/R wheel	16.7 m (54.7ft) E	6.4 m (21.0ft) S

PHOTO INDEX

Case No. DSI-94-AB-10

PHOTO NO.	VEHICLE NO.	ORIENTATION	SUBJECT MATTER
1	Vehicle 1	NW	Approach path, Vehicle 1
2-4	Vehicle 1	SE	Travel path, Vehicle 1
5-6	Vehicle 1	SE	POI, Vehicle 1 and Vehicle 2 (gouge)
7	Vehicle 1	NW	Reverse travel path, Vehicle 1
8	Vehicle 1	W	Travel path Vehicle 1, POI to FRP
9	Vehicle 1	W	FRP, Vehicle 1
10-11	Vehicle 1	E	FRP, Vehicle 1 and Reverse travel path FRP to POI
12	Vehicle 2	SE	Approach path, Vehicle 2
13-15	Vehicle 2	NW	Travel path, Vehicle 2
16-17	Vehicle 2	W	POI, Vehicle 2 and Vehicle 1
18-19	Vehicle 2	SE	POI and Reverse travel path, Vehicle 2
20	Vehicle 3	S	Approximate FRP, Vehicle 2
21-34	Vehicle 1	CCW	Exterior views, Vehicle 1
35-54	Vehicle 1		Interior views, Vehicle 1 Photo 44 left shoulder restraint detail
55-73	Vehicle 2	CCW	Exterior views, Vehicle 2 Photos 59 & 60 - L/F tire and suspension damage Photos 67-69 - R/F tire and R. fuel tank damage Photos 70-72 - R/F suspension damage
74-83	Vehicle 2		Interior views, Vehicle 2

























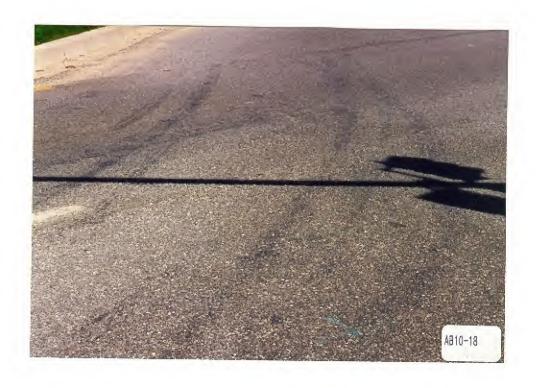










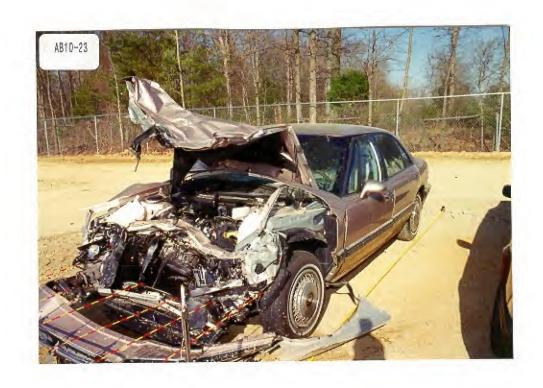






























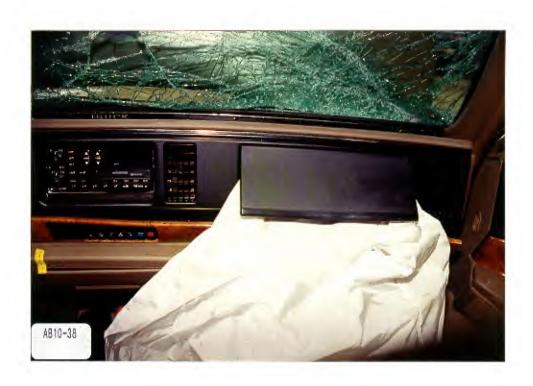






















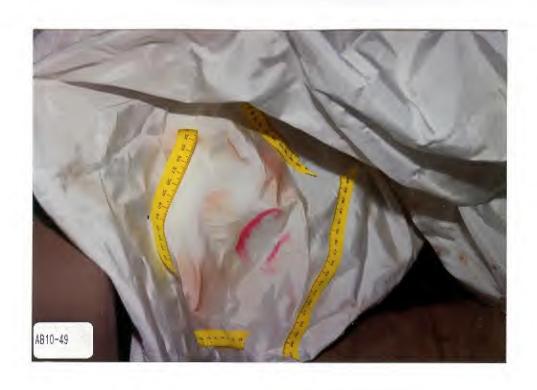








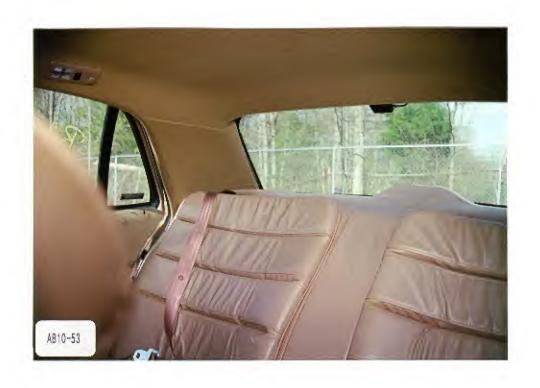




































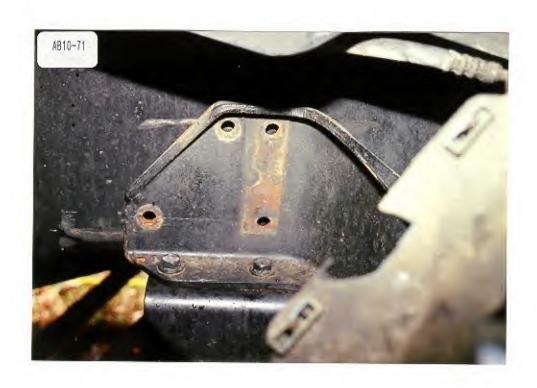




































SLIDE INDEX

Case No. DSI-94-AB-10

SLIDE NO.	VEHICLE NO.	ORIENTATION	SUBJECT MATTER
1	Vehicle 1	NW	Approach path, Vehicle 1
2-4	Vehicle 1	SE	Travel path, Vehicle 1
5-6	Vehicle 1	SE	POI, Vehicle 1 and Vehicle 2
7	Vehicle 1	NW	Reverse travel path, Vehicle 1
8-10	Vehicle 1	SE	FRP, Vehicle 1
11	Vehicle 2	SE	Approach path, Vehicle 2
12-14	Vehicle 2	NW	Travel path, Vehicle 2
15-16	Vehicle 2	NW	POI, Vehicles 2 and 1
17	Vehicle 2	W	Approximate FRP, Vehicle 2
18	Vehicle 2	SE	Reverse travel path, Vehicle 2
19-31	Vehicle 1	CCW	Exterior views, Vehicle 1
32-52	Vehicle 1		Interior views, Vehicle 1 Slides 41 & 42 - Detail, driver's shoulder restraint Slides 44, 46 & 47 - Detail passenger's side A/B
53-70	Vehicle 2	CCW	Exterior views, Vehicle 2 Slides 56 & 57 - Detail L/F suspension damage Slides 65-67 - Detail R. fuel tank damage Slides 68-69 - Detail R/F suspension damage
71-80	Vehicle 2		Interior views, Vehicle 2



































































































































































National Highway Traffic Safety

ACCIDENT FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Administration				SPECIAL STUDIE	S - INDICATO	ORS
2. Case Number	IDENTIFICATIO	94 - <u>AB - & 1 &</u> N	has be	(√) each special studen completed; codes and 0 for the specture. SS15 Administration	1 for the chec ial studies not c	ked special
Forms Submit 4. Date of Accide	ted ent	<u> </u>	7	_SS16 Pedestrian (у
(Month,Day,Y	ent	EVENING		_SS17 Impact Files	•	
NOTE: M	orted military time idnight = 2400 nknown = 9999	of accident.	10	SS19NUMBER C		
			in T	nber of Recorded Evilia Accident		_
			lin ti	nis accident.		
		ACCID				
	nat occurred in the or object on the rig	accident, code th	ENT EVEN		left columns an	d the other
		accident, code th	ENT EVEN	TS	e left columns an Class Of Vehicle	d the other General Area of Damage
involved vehicle of Accident Event Sequence Number	Vehicle Number	accident, code th ht. Class Of Vehicle	General Area of Damage	TS hbered vehicle in the Vehicle Number or	Class Of Vehicle	General Area of Damage
involved vehicle of Accident Event Sequence Number	Vehicle Number	accident, code the ht. Class Of Vehicle	General Area of Damage	TS nbered vehicle in the Vehicle Number or Object Contacted	Class Of Vehicle	General Area of Damage
involved vehicle of Accident Event Sequence Number	Vehicle Number 13	accident, code the ht. Class Of Vehicle 14. 4	General Area of Damage	TS nbered vehicle in the Vehicle Number or Object Contacted 16. <u>\$\phi\$</u> 2	Class Of Vehicle 17. <u>2</u> <u>4</u> 24	General Area of Damage
involved vehicle of Accident Event Sequence Number 12. 0 1 19. 0 2 26. 0 3	Vehicle Number 13	accident, code the ht. Class Of Vehicle 14. 21	General Area of Damage 15. F 22	TS The number of Object Contacted 16. <u>\$\phi\$</u> 2 23	Class Of Vehicle 17. 2 4 24	General Area of Damage

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENT SUPPLEMENT

CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 254 cm)
- (02) Compact (wheelbase \geq 254 but < 265 cm)
- (03) Intermediate (wheelbase ≥ 265 but < 278 cm)
- (04) Full size (wheelbase \geq 278 but < 291 cm)
- (05) Largest (wheelbase ≥ 291 cm)
- (09) Unknown passenger car size
- (11) Compact utility vehicle
- (12) Large utility vehicle (≤ 4,500 kgs GVWR)
- (13) Passenger van ($\leq 4,500 \text{ kgs GVWR}$)
- (14) Other van ($\leq 4,500 \text{ kgs GVWR}$)
- (15) Pickup truck ($\leq 4,500 \text{ kgs GVWR}$)
- (18) Other truck ($\leq 4,500 \text{ kgs GVWR}$)
- (19) Unknown light truck type
- (20) School bus
- (21) Other bus
- (22) Truck (> 4,500 kgs GVWR)
- (23) Tractor without trailer
- (24) Tractor-trailer(s)
- (25) Motored cycle
- (28) Other vehicle
- (99) Unknown

CODES FOR GENERAL AREA OF DAMAGE (GAD)

CDS APPLICABLE AND OTHER VEHICLES

- (0) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back
- (T) Top
- (U) Undercarriage
- (9) Unknown

TDC APPLICABLE VEHICLES

- (0) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back of unit with cargo area (rear of trailer or straight truck)
- (D) Back (rear of tractor)
- (C) Rear of cab
- (V) Front of cargo area
- (T) Top
- (U) Undercarriage
- (9) Unknown

CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED

(01-30) - Vehicle Number

Noncollision

- (31) Overturn rollover
- (32) Fire or explosion
- (33) Jackknife
- (34) Other intraunit damage (specify):
- (35) Noncollision injury
- (38) Other noncollision (specify):
- (39) Noncollision details unknown

Collision With Fixed Object

- (41) Tree (≤ 10 cm in diameter)
- (42) Tree (> 10 cm in diameter)
- (43) Shrubbery or bush
- (44) Embankment
- (45) Breakaway pole or post (any diameter)

Nonbreakaway Pole or Post

- (50) Pole or post (\leq 10 cm in diameter)
- (51) Pole or post (> 10 cm but ≤ 30 cm in diameter)
- (52) Pole or post (> 30 cm in diameter)
- (53) Pole or post (diameter unknown)
- (54) Concrete traffic barrier
- (55) Impact attenuator
- (56) Other traffic barrier (includes guardrail) (specify):

- (57) Fence
- (58) Wall
- (59) Building
- (60) Ditch or culvert
- (61) Ground
- (62) Fire hydrant
- (63) Curb
- (64) Bridge
- (68) Other fixed object (specify):
- (69) Unknown fixed object

Collision with Nonfixed Object

- (71) Motor vehicle not in-transport
- (72) Pedestrian
- (73) Cyclist or cycle
- (74) Other nonmotorist or conveyance
- (75) Vehicle occupant
- (76) Animal
- (77) Train
- (78) Trailer, disconnected in transport
- (79) Object fell from vehicle in-transport
- (88) Other nonfixed object (specify):
- (89) Unknown nonfixed object
- (98) Other event (specify):
- (99) Unknown event or object

National Highway Traffic Safety Administration	GENERAL VEHIC	CLE FORM	NATIONAL ACCIDENT SAMPL CRASHWORTHINESS DA	ING SYSTE
 Primary Sampling Unit Number Case Number - Stratum	<u> </u>	(0) No alcohol (1) Yes (alcohol (7) Not reporte (8) No driver po	l present) d	9
VEHICLE IDENTIFICA		(9) Unknown		
4. Vehicle Model Year Code the last two digits of the m (99) Unknown 5. Vehicle Make (specify): 日日に氏 Applicable codes are found in you NASS Data Collection, Coding an Editing Manual. (99) Unknown	odel year 12.	(Page 4) Alcohol Test Re Code actual valu before first digit (95) Test refuse (96) None given	ue (decimal implied 	96
		ACC	IDENT RELATED	
6. Vehicle Model (specify): LE SABRE Applicable codes are found in you NASS Data Collection, Coding an Editing Manual. (999) Unknown	ur	Speed Limit (000) No statut	ory limit statutory speed limit	56
7. Body Type Note: Applicable codes may be for the back of this page.	ound on <u>\$\phi 4</u> 14.	Attempted Avoi (01) No avoidar		<u>Ø</u> 9
	12 13 14 16 16 16 17 (10 and 7)	(02) Braking (no (03) Braking (lo (04) Braking (lo (05) Releasing b (06) Steering le (07) Steering rig (08) Braking and	ckup) ckup unknown) orakes ft ght d steering left	
Left justify; Slash zeros and letter No VIN—Code all zeros	1 2 (Wallu Z)	(09) Braking and (10) Acceleration		
Unknown-Code all nines		(11) Acceleration	g and steering left	
OFFICIAL RECORE	OS	(12) Acceleration (97) No driver p	g and steering right	
 Police Reported Vehicle Disposition Not towed due to vehicle damage Towed due to vehicle damage Unknown 	nage	(98) Other action (99) Unknown		
10. Police Reported Travel Speed Code to the nearest kph (NOTE: (less than 0.5 kph) (160) 159.5 kph and above	999	back of page tw (00) No impact Code the number best describes t	s may be found on the vo of this field form er of the diagram that he accident circumstance dent type (specify):	<u>69</u>
(999) Unknown				
mph X 1.6093 = kpł	1	(99) Unknown		
**** SKIP TO VARI	ABLE GV37 IF GV07	7 DOES NOT E	EQUAL 01-49 ****	

CODES FOR BODY TYPE

CDS APPLICABLE VEHICLES

Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (O3) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify):
- (09) Unknown automobile type

Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

Utility Vehicles (≤ 4,500 kgs GVWR)

- (14) Compact utility (Jeep CJ-2 CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Landcruiser, Rover, Scout)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

Van Based Light Trucks (≤ 4,500 kgs GVWR)

- (20) Minivan (Chrysler Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Dodge/Plymouth Vista, Aerostar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van (≤ 4,500 kgs GVWR)
- (23) Van based motorhome (≤ 4,500 kgs GVWR)
- (24) Van based school bus (≤ 4,500 kgs GVWR)
- (25) Van based other bus (≤ 4,500 kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify):
- (29) Unknown van type

Light Conventional Trucks (Pickup style cab, ≤ 4,500 kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500,)

- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

Other Light Trucks (≤ 4,500 kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

OTHER VEHICLES

Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify):
- (59) Unknown bus type

Medium/Heavy Trucks (> 4,500 kgs GVWR)

- (60) Step van (> 4,500 kgs GVWR)
- (61) Single unit straight truck (4,500 kgs < GVWR ≤ 8,850 kgs)
- (62) Single unit straight truck (8,850 kgs < GVWR ≤ 12,000 kgs)</p>
- (63) Single unit straight truck (> 12,000 kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- 82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify):
- (89) Unknown motored cycle type

Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

latio	onal Accident Sampling System-Crashworthiness Date	System: General Vehicle Form Page
	OCCUPANT RELATED	24. Rollover (no overturning)
16.	Driver Presence in Vehicle (0) Driver not present (1) Driver present (9) Unknown	Rollover (primarily about the longitudinal axis) (1) Rollover, 1 quarter turn only (2) Rollover, 2 quarter turns
17.	Number of Occupants This Vehicle ϕ ψ ψ (00-96) Code actual number of occupants for this vehicle	(3) Rollover, 3 quarter turns (4) Rollover, 4 or more quarter turns (specify):
	(97) 97 or more (99) Unknown	(5) Rolloverend-over-end (i.e., primarily about the lateral axis)
18.	Number of Occupant Forms Submitted	(9) Rollover (overturn), details unknown
	VEHICLE WEIGHT ITEMS	OVERRIDE/UNDERRIDE (THIS VEHICLE)
19.	Vehicle Curb Weight	25. Front Override/Underride (this Vehicle) 4
	10 kilograms. (045) Less than 450 kilograms	26. Rear Override/Underride (this Vehicle)
	(610) 6,100 kilograms or more (999) Unknown	(0) No override/underride, or not an end-to-end impact
	<u> </u>	Override (see specific CDC) (1) 1st CDC (2) 2nd CDC
20.	Vehicle Cargo Weight	(3) Other not automated CDC (specify):
	10 kilograms. (000) Less than 5 kilograms (450) 4,500 kilograms or more (999) Unknown	Underride (see specific CDC) (4) 1st CDC
	lbs X .4536 = kgs	(5) 2nd CDC (6) Other not automated CDC (specify):
21	RECONSTRUCTION DATA Towed Trailing Unit	(7) Medium/heavy truck or bus override (9) Unknown
۷.	Towed Trailing Unit (0) No towed unit (1) Yes—towed trailing unit	
	(9) Unknown	HEADING ANGLE AT IMPACT FOR HIGHEST DELTA V
22.	Documentation of Trajectory Data for This Vehicle (0) No (1) Yes	Values: (000)-(359) Code actual value (997) Noncollision (998) Impact with object (999) Unknown
23.	Post Collision Condition of Tree or Pole (For Highest Delta V) (0) Not collision (for highest delta V) with tree or pole	27. Heading Angle For This Vehicle 1 4 5 28. Heading Angle For Other Vehicle 2 8 Ø
	 (1) Not damaged (2) Cracked/sheared (3) Tilted <45 degrees (4) Tilted ≥45 degrees (5) Uprooted tree 	
	(6) Separated pole from base(7) Pole replaced(8) Other (specify):	
	(9) Unknown	

Cate	Configur-	ACCIDENT TYPES (Includes Intent)	BEST	AVAILABLE COPY 1
gory	Α.	01 02 03 ()	-	
	Right Roadside Departure	DRIVE OFF CONTROL/ AVOID COLLISION SPE WITH VEH., PED., ANIM. OTH	CIFICS S	E PECIFICS NKNOWN
Single Driver	B. Left Roadside	DRIVE OFF CONTROL/ AVOID COLLISION SPE	•	
- S	Departure C	ROAD TRACTION LOSS WITH VEH., PED., ANIM. OTH		PECIFICS NKNOWN
	Forward Impact	PARKED VEH. STA. OBJECT PEDESTRIAN/ END SPE		PECIFICS
reway tion	D Rear-End	STOPPED SLOWER 27	ACH • 32) (I	EACH • 33) PECIFICS
II. Same Trafficway Same Direction	f: Forward Impact) (EACH • 42	SPECIFICS UNKNOWN
	F. Sideswipe Angle	44 45 45 (EACH · 48) SPECIFICS OTHER	(EACH • SPECIFICS	49) UNKNOWN
رن، دنانی	G Head-On	50 51 (EACH • 52) (EACH • 53) SPECIFICS OTHER SPECIFICS UNKNOWN		
Same Trafficway Opposite Direction	H Forward Impact	54 55 56 57 58 59 60 CI STANTING TRACTION LOSS TRACTION LOSS WITH VEH. WITH OBJECT	(EACH + 62 SPECIFICS OTHER	EI(EACH • 63) SPECIFICS UNKNOWN
	l. Sideswipe' Angle	65 (EACH • 66) (EACH • 67) SPECIFICS SPECIFICS UNKNOWN LATERAL MOVE OTHER	7.00	
Change Trafficway Vehicle Turning	J. Turn Across Path	69 71 73 72 INITIAL OPPOSITE INITIAL SAME DIRECTIONS DIRECTIONS	(EACH • 74) SPECIFICS OTHER	SPECIFICS
	K. Turn Into Path	77 79 81 82 82	(EACH • 84)	(EACH • 85)
oths IV.		TURN INTO SAME DIRECTION TURN INTO OPPOSITE DIRECTIONS	SPECIFICS OTHER	SPECIFICS UNKNOWN
V Intersecting Paths (Vehicle Dainage)	L. Straight Paths	87 (EACH • 90) 88 89 SPECIFICS OTHER	(EACH • 91) SPECIFICS UP	
VI. Miscel- lancous	M. Backing Eic.	92 93 OTHER VEH. 98 Other Accident 3 BACKING 99 Unknown Accident 90 Unknown Accident 9		

	Highest
29. Basis for Total Delta V (highest)	32. Lateral Component of Delta V \(\phi \) \(\phi \)
 Delta V Calculated (1) CRASH program—damage only routine (2) CRASH program—damage and trajectory routine (3) Missing vehicle algorithm Delta V Not Calculated (4) At least one vehicle (which may be this vehicle) is beyond the scope of an acceptable reconstruction program, regardless of collision conditions. (5) All vehicles within scope (CDC applicable) of CRASH program but one of the collision conditions is beyond the scope of the CRASH program or other acceptable reconstruction technique, regardless of adequacy of damage data. (6) All vehicle and collision conditions are within scope of one of the acceptable reconstruction programs, but there is insufficient data available. 	3.4 Nearest kph (highest) (2./mρ4) Nearest kph (secondary)
COMPUTER GENERATED DELTA V Highest 30. Total Delta V $ \frac{\phi 3 9}{(24m\rho^{\mu})} $ $ \frac{39.1 \text{ Nearest kph (highest)}}{(24.3m\rho^{\mu})} $ Nearest kph (secondary)	34. Confidence In Reconstruction Program Results (For Highest Delta V) (0) No reconstruction (1) Collision fits model — results appear reasonable (2) Collision fits model — results appear high (3) Collision fits model — results appear low (4) Borderline reconstruction — results appear reasonable
(NOTE: 000 means less than 0.5 kph) (160) 159.5 kph and above (999) Unknown	35. Type of Vehicle Inspection (0) No inspection (1) Complete inspection (2) Partial inspection (specify):
31. Longitudinal Component of Delta V — 4 3 9 -39.4 Nearest kph (highest) (-24.2 mph) Nearest kph (secondary) (NOTE: _000 means greater than -0.5 kph and less than +0.5 kph) (±160) ±159.5 kph and above (_999) Unknown	36. Is this an AOPS Vehicle? (0) No (1) Yes - researcher determined (2) VIN determined air bag system (3) VIN determined automatic (passive) belts (4) VIN determined air bag and automatic (passive) belts
IS OLDMISS APPLICABLE FOR T	THIS VEHICLE? [] YES [\(\forall \)] NO
IF YES: IS A COMPLETED OLDMISS PROGRA	AM SUMMARY INCLUDED? [] YES [] NO

Natio	inal Accident Sampling System-Crashworthiness Date	System: General Venicle Form
37.	Police Reported Other Drug Presence (0) No other drug(s) present (1) Yes [other drug(s) present] (7) Not reported (8) No driver present (9) Unknown	DRUG EVALUATION CLASSIFICATION OTHER DRUGS TEST RESULTS FOR DRIVER DEC Specimen Test Test Results Results Narcotic Drug 40. \$\phi\$ 41. \$\phi\$ Depressant Drug 42. \$\phi\$ 43. \$\phi\$
38.	Police Reported Drug Evaluation Classification (DEC) Test For Driver (0) No DEC process available or given (1) DEC process given, results known (2) DEC process given, results unknown (3) DEC process available, unknown if given (8) No driver present	Stimulant Drug Hallucinogen Drug Cannabinoid Drug Phencyclidine (PCP) Inhalant Drug Other Drug (Excluding Nicotine, Aspirin, Alcohol, Drugs Administered Post-Crash) 44. \$\phi\$ 45. \$\phi\$ 47. \$\phi\$ 49. \$\phi\$ 51. \$\phi\$ 51. \$\phi\$ 53. \$\phi\$ 55. \$\phi\$ Codes For DEC Test Results
39.	Other Drug Specimen Test Type For Driver (0) No specimen test given (1) Blood test (2) Urine test (3) Other specimen tests (specify): (7) Unspecified specimen test (8) No driver present (9) Unknown if specimen test given	 (0) No DEC test given (1) Passed DEC test (2) Failed DEC test (3) DEC test given—results unknown (8) No driver present (9) Unknown if DEC test given Codes for Specimen Test Results (0) No specimen test given (1) Drug not found in specimen (2) Drug found in specimen (7) Specimen test given, results unknown or not obtained (8) No driver present (9) Unknown if specimen test given

OTHER DATA	61. Rollover Initiation Object Contacted ϕ
56. Driver's Zip Code (00000) Driver not present (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99999) Unknown	62. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane
57. Driver's Race/Ethnic Origin (0) Driver not present (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander (8) Other (specify):	(3) End plane (4) Undercarriage (5) Other location on vehicle (specify): (8) Non-contact rollover forces (specify): (9) Unknown 63. Direction of Initial Roll
(9) Unknown 58. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance (7) Fire truck or car (8) Other (specify): (9) Unknown	(0) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (5) End-over-end (i.e., primarily about the lateral axis) (9) Unknown roll direction PRECRASH DATA 64. Pre-Event Movement (Prior to
ROLLOVER DATA If GV07 (Body Type) ≠ 1-49, leave GV59-GV63 blank.	Recognition of Critical Event) (01) Going straight (02) Slowing or stopping in traffic lane
If $GV24$ (Rollover) = 0, then $GV59$ - $GV63$ must equal 0. If $GV24$ = 9, then $GV59$ - $GV63$ must equal 9.	(03) Starting in traffic lane(04) Stopped in traffic lane(05) Passing or overtaking another vehicle
If GV24 (Rollover) = 0, then GV59-GV63 must equal 0.	(04) Stopped in traffic lane
If GV24 (Rollover) = 0, then GV59-GV63 must equal 0. If GV24 = 9, then GV59-GV63 must equal 9. 59. Rollover Initiation Type (0) No rollover (1) Trip-over (2) Flip-over (3) Turn-over (4) Climb-over (5) Fall-over (6) Bounce-over (7) Collision with another vehicle (8) Other rollover initiation type specify):	 (04) Stopped in traffic lane (05) Passing or overtaking another vehicle (06) Disabled or parked in travel lane (07) Leaving a parking position (08) Entering a parking position (09) Turning right (10) Turning left (11) Making a U-turn (12) Backing up (other than for parking position) (13) Negotiating a curve (14) Changing lanes (15) Merging (16) Successful avoidance maneuver to a previous critical event

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(5/) Fence
(58) Wall
(59) Building
(60) Ditch or culvert
(61) Ground
(62) Fire hydrant
(63) Curb
(64) Bridge
(68) Other fixed object (specify):
(00) Other fixed object (aposity).
(69) Unknown fixed object
(09) Olikilowii lixed object
Collision with Nonfixed Object
(71) Motor vehicle not in-transport
(76) Animal
(77) Train
(78) Trailer, disconnected in transport
(79) Object fell from vehicle in-transport
(88) Other nonfixed object (specify):
(89) Unknown nonfixed object
(98) Other event (specify):
(30) Guidi Cvent (apaemy).
(99) Unknown event or object
(33) Olikilowii evelit ol object

PRECRASH DA	TA (Continued)
7his Vehicle Loss of Control Due To: (01) Blow out or flat tire (02) Stalled engine (03) Disabling vehicle failure (e.g., wheel fell off) (specify): (04) Non-disabling vehicle problem (e.g., hood flew up) (specify): (05) Poor road conditions (puddle, pot hole, ice, etc.) (specify): (06) Traveling too fast for conditions (08) Other cause of control loss (specify): (09) Unknown cause of control loss This Vehicle Traveling (10) Over the lane line on left side of travel lane (11) Over the lane line on right side of travel lane (12) Off the edge of the road on the left side	Pedestrian or Pedalcyclist, or Other Nonmotorist (80) Pedestrian in roadway (81) Pedestrian approaching roadway (82) Pedestrian—unknown location (83) Pedalcyclist or other nonmotorist in roadway (specify): (84) Pedalcyclist or other nonmotorist approaching roadway (specify): (85) Pedalcyclist or other nonmotorist—unknown location (specify): Object or Animal (87) Animal in roadway (88) Animal approaching roadway (89) Animal—unknown location (90) Object in roadway (91) Object approaching roadway (92) Object—unknown location (98) Other critical precrash event (specify):
(13) Off the edge of the road on the right side (14) End departure	(99) Unknown
(15) Turning left at intersection (16) Turning right at intersection (17) Crossing over (passing through) intersection (19) Unknown travel direction	For Corrective Actions Attempted see variable GV14 (Attemped Avoidance Manuever)
Other Motor Vehicle In Lane (50) Stopped (51) Traveling in same direction with lower speed (i.e., lower steady speed or decelerating) (52) Traveling in same direction with higher speed (53) Traveling in opposite direction (54) In crossover (55) Backing (59) Unknown travel direction of other motor vehicle in lane Other Motor Vehicle Encroaching Into Lane (60) From adjacent lane (same direction)—over left lane line (61) From adjacent lane (same direction)—over right lane line (62) From opposite direction—over left lane line (63) From opposite direction—over right lane line (64) From parking lane	66. Precrash Stability After Avoidance Maneuver (0) No avoidance maneuver (1) Tracking (2) Skidding longitudinally—rotation less than 30 degrees (3) Skidding laterally—clockwise rotation (4) Skidding laterally—counterclockwise rotation (7) Other vehicle loss-of-control (specify): (8) No driver present (9) Precrash stability unknown 67. Precrash Directional Consequences of Avoidance Maneuver (Corrective Action) (0) No avoidance maneuver (1) Vehicle stayed in travel lane where avoidance
 (65) From crossing street, turning into same direction (66) From crossing street, across path (67) From crossing street, turning into opposite direction (68) From crossing street, intended path not known (70) From driveway, turning into same direction (71) From driveway, across path (72) From driveway, turning into opposite direction (73) From driveway, intended path not known (74) From entrance to limited access highway (78) Encroachment by other vehicle—details unknown 	maneuver was initiated (2) Vehicle stayed on roadway but left travel lane where avoidance maneuver was initiated (3) Vehicle stayed on roadway, not known if left travel lane where avoidance maneuver was initiated (4) Vehicle departed roadway (5) Avoidance maneuver initiated off roadway (8) No driver present (9) Directional consequences unknown
*** IF THE CDS APPLICABLE VEHICLE W	AS NOT INSPECTED (I.E., GV35 = 0), ***

*** IF GV07 DOES NOT EQUAL 01-49, DO NOT COMPLETE *** THE EXTERIOR VEHICLE, INTERIOR VEHICLE, OCCUPANT ASSESSMENT, AND OCCUPANT INJURY FORMS.

National Highway Traffic Safety

EXTERIOR VEHICLE FORM NATIONAL ACCIDENT SAMPLING SYSTEM

CRASHWORTHINESS DATA SYSTEM

ministration			
Primary Sampling Unit Number		3. Vehicle Number	<u> </u>
2. Case Number - Stratum	DSI-94-4B-010		

VEHICLE IDENTIFICATION

VIN 1 G 4 H 1	R 5 2 L	3 R H	Model Year 9 4
Vehicle Make /angeity)	R	Vahiala Madal (anasifu): 1 5 C	

Vehicle Make (specify): _

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

CRUSH PROFILE IN CENTIMETERS

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space).

Measure and document on the vehicle diagram the location of maximum crush.

U.S. EQUIVALENTS * Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

Specific	Diametria	Direct D	amage]			<u> </u>				
Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	С,	C ₂	C ³	C₄	C ₅	C _e	±D
\$1	FRONT BUMPER	61. Ø 10	35.3.	59.1.4	35,3,0	28.9.,	28.4,	26.5.1	12.2.	22.2 in	ф
	- FREE SPACE		4.5in		4.5.	3.1.n	1,2,0			4.5.	
	- BUMPER		8.7.0		8.7.,	8.7.	8.7.2	B,711	3.1m	8.7.n	
	RADIATOR - FREE SPACE		ø		ø	\$	2.4.0	2.4.	#	ø	
	RESILTANT		22.1.		22.1,,	17.1 m	15.7.0	14.2m	6.4,0	9. pm	
			Oc,								
4.					.						
ϕ_I	RADIATOR SUPPORT	61. p/10	36.8 in	59.1.2		36.4,	36.8.n	36.4 in	31.7.n	27.3.	φ
	- FREE SPACE		1.2.0		4.5m	3.1.0	1.2.0	1.2m	3.1.0	4.5,4	
	- BUMPER		8.7,,		8.7.,	8.7,4	8.7.,	8.7.2	8.7.2	8.7.0	
	RESULTANTS		26.9.		24.2:n	24.2m	26.9,1	26.5.0	19.9.n	14.1,0	
			<i>©</i> с _э								
	AVERAGE					26.7,2	21.3.	24.4,	13.4.	11.6.0	

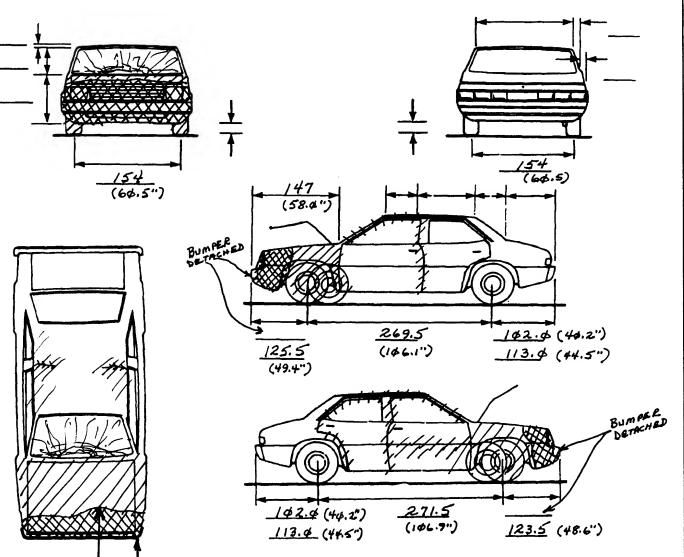
ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	1 1 \$ 8	inches	x 2.54	=	<u>281</u> cm
Overall Length	2 \$ \$. \$	inches	x 2.54	=	<u>5 ø 8</u> cm
Maximum Width	<u>φ 7 3.6</u>	inches	x 2.54	=	<u>/ 8 7</u> cm
Curb Weight <u>∲</u>	3,449	pounds	x .4536	=	
Average Track	<u>φ 6 φ.4</u>	inches	x 2.54	=	<u>/ 5</u> <u>3</u> cm
Front Overhang	<u>\$ 4 4.9</u>	inches	x 2.54	=	
Rear Overhang	<u>\$ 4 4.5</u>	inches	x 2.54	=	<u>/ / 3</u> cm
Undeformed End Width	<u>\$ 6 1.\$</u>	inches	x 2.54	==	<u>/ 5 5</u> cm
Engine Size: cyl./displ.	3 8 \$ \$	_ cc	x .001	=	<u>3</u> . <u>8</u> L
	232	CID	x .0164	=	<u>3</u> .8

VEHICLE DAMAGE SKETCH WHEEL STEER ANGLES ORIGINAL SPECIFICATIONS TIRE-WHEEL DAMAGE (For locked front wheels or a. Rotation physically b. Tire displaced rear axles only) 281 cm Wheelbase restricted deflated RF ± <u>ø</u> ø • *5*∳8 cm Overall Length LF ± φ φ ο RF 2 187 cm Maximum Width 1,564 kg Curb Weight Within ± 5 degrees ______153_ cm Average Track **DRIVE WHEELS** (1) Yes (2) No (8) NA (9) Unk. 114 cm Front Overhang _____113 cm ☑ FWD □ RWD □ 4WD Rear Overhang TYPE OF TRANSMISSION Undeformed End Width ______155 cm **Approximate** Cargo Weight kq □ Manual ☑ Automatic

GAUGE STANDS AT OL

MEASUREMENTS IN CENTIMETERS



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

			CDC \	VORKSHE	E	Γ				
		(CODES FOR	OBJECT CO	NTA	ACTED				
(01-30) Noncoll	- Vehicle Nur ision	mber		(5 (5	8)	Fence Wall Building				
(31)	Overturn - ro	llover				Ditch or	culvert			
	Fire or explosi			(6	1)	Ground				
	Jackknife			(6	2)	Fire hydr	ant			
		t damage (spec	ify):			Curb Bridge				
(35)	Noncollision in	niury					ed object (s	specify):		
	Other noncolli			,,,	•					
(50)		0.011 (0 p00.17)		(6	(9)	Unknow	n fixed obje	ct		
(39)	Noncollision -	- details unkno	wn				-			
							nfixed Obje			
	n With Fixed O						ehicle not in	-transport		
	Tree (≤ 10 cr					Pedestria				
	Tree (> 10 cr					Cyclist o				
	Shrubbery or I	bush		(/	4)	Other no	nmotorist o	ir conveyand	J e	
(44)	Embankment			17	ا ة،	Vehicle o	occupant			
(45)	Proakaway no	le or post (any	diameter)			Animal	occupant			
(45)	Dieakaway po	ie or post tarry	diameter,	• •	- •	Train				
Nonbreakaway Pole or Post							lisconnected	d in transpo	rt	
(50) Pole or post (≤ 10 cm in diameter)						ell from veh				
		> 10 cm but ≤					nfixed obje			
	diameter)									
		> 30 cm in dia		(8	39)	Unknow	n nonfixed (object		
(53)	Pole or post (c	diameter unkno	wn)	(9	(8)	Other ev	ent (specify	·):		
	Concrete traff									
		ator arrier (includes	_	(9 _	19)	Unknow	n event or c	object		
	······································	DEFORMA	TION CLASS	SIFICATION	BY	EVENT N	UMBER		***************************************	
Accident Event Sequence Number		(1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation Location	Lo o	(4) Specific Ingitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation	on
<u> </u>	<u> \$2</u>	355	Ø Ø	E		<u>D</u>	<u>E</u>	W	ф3	_
										_
										_
										_
										_
	_ 									

		COLLIS	ION DEFORMA	TION CLAS	SIFICATIO	N			
HIGHEST I	DELTA "V"								
Accident Event Sequence Number	Object Contacted	(1) (2 Directi of For	on Deformation	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent		
4. <u> </u>	5. <u>Ø</u> <u>2</u>	6. <u>/</u> _	2 7. <u>F</u>	8. <u>D</u>	9. <u>E</u>	10. <u>W</u>	11. <u>ø</u> <u>3</u>		
Second Highest Delta "V"									
12	13	14	15	16	17	18	19		
		CI	RUSH PROFILE	IN CENTIM	ETERS				
	The crush pro in the appr	file for the opriate sp	e damage described ace below. (ALL N	d in the CDC(s) MEASUREMENT	above should S ARE IN CEN	be documente	d		
HIGHEST I	DELTA "V"								
20. L	21. 				C ₅	C _e	22. 		
<u>155</u> (61°)	\$ <u>5 6</u> (22")	<u>\$5</u> (21")	3 <u>\$54</u>) (21")	<u> </u>	<u>33</u>	3 ¢ -	<u> </u>		
Second Hi	ghest Delta "V	n							
23. 	24. 	C ₂			C ₅	C ₆	25. 		
									
	es Documented Coded on The red File?	\$	27. Researcher's As of Vehicle Dispo (0) Not towed d vehicle dama (1) Towed due t vehicle dama (9) Unknown	osition		al Wheelbase _Code to the nearest centime Jnknown	<u>2 8 1</u> ter		
				114	. <u>8</u> inches X 2.	54 = <u>2 8 1</u>	centimeters		

29.	Is This A Multi-Stage Manufactured Vehicle	<u></u> \$	34. Fuel Tank-1 Location
	And/Or A Certified Altered Vehicle? (0) No post manufacturer modifications (1) Yes - post manufacturer modifications (specify): (Include photograph of CERTIFICATION PLACARD in case report) (9) Unknown if vehicle is modified		35. Fuel Tank-2 Location (0) No fuel tank (1) Aft of center of the rear wheels (rear axle) centered (2) Aft of center of the rear wheels (rear axle) left side (3) Aft of center of the rear wheels (rear axle) right side (4) Forward of center of the rear wheels (rear axle) centered
30.	Fire Occurrence (0) No fire Yes, fire occurred (1) Minor (2) Major (9) Unknown	Φ.	(5) Forward of center of the rear wheels (rear axle) left side (6) Forward of center of the rear wheels (rear axle) right side (7) Over center of the rear wheels (rear axle) (8) Other (specify):
31.	Origin of Fire (0) No fire (1) Vehicle exterior (front, side, back, top) (2) Exhaust system (3) Fuel tank (and other fuel retention system parts) (4) Engine compartment (5) Cargo/trunk compartment	φ_	36. Fuel Tank-1 Filler Cap Location 2. 37. Fuel Tank-2 Filler Cap Location (0) No fuel tank (1) On back plane (2) Aft of center of the rear wheels (rear axle) on left side plane
	(6) Instrument panel (7) Passenger compartment area (8) Other location (specify): (9) Unknown		 (3) Aft of center of the rear wheels (rear axle) on right side plane (4) Forward of center of the rear wheels (rear axle) on left side plane (5) Forward of center of the rear wheels (rear axle) on right side plane (6) Over the center of the rear wheels (rear axle)
32.	Type of Fuel Tank-1		on left side plane (7) Over the center of the rear wheels (rear axle)
33.	Type of Fuel Tank-2 (0) No fuel tank (electrical vehicle) (1) Metallic (2) Non-metallic (9) Unknown	4	on right side plane (8) Other (specify): (9) Unknown
	(3) Olikilowii		38. Fuel Tank-1 Damage
			39. Fuel Tank-2 Damage (0) No fuel tank (1) No damage to fuel tank (2) Deformed, no seam failure (3) Deformed, with a seam failure (4) Punctured (5) Lacerated (ripped) (6) Abraded (scraped) (7) Filler neck separation from the fuel tank (8) Other damage (specify):

40.	Location of Fuel System-1 Leakage			Vehicle Equipped With More Than ϕ
41.	Location of Fuel System-2 Leakage	<u>\$</u>	, , , , ,	o (one or two tanks only)
	(0) No fuel tank			
	(1) No fuel leakage			More Than Two Tanks
				es <u>no damage</u> to any tank or filler
	Primary Area Of Leakage			ap and no fuel system leakage
	(2) Tank			es no damage to any tank or filler
	(3) Filler neck			ap but there is fuel system leakage
	(4) Cap		Į (s	specify leakage location):
	(5) Lines/pump/filter			1.0221.42-1
	(6) Vent/emission recovery			es damage to an additional tank or
	(8) Other (specify):			ller cap and there is fuel system leakage
				specify the following):
	(9) Unknown			ype of tank
			<u> </u>	ank location
40	5 LT - 4	al 1	FI	iller cap location
42.	Fuel Type-1 _	\mathcal{P} \mathcal{I}		ank damageocation of leakage
40	Fuel Time 2	øφ	1	ocation of leakage
43.	Fuel Type-2	Φ	l (a) 1	ype of fuelnknown if more than two tanks
	Single Final Time		(3) 0	IIKIIOWII II IIIOIE EIIaii EWO Eairks
	Single Fuel Type (00) No fuel tank			
	(01) Gasoline			
	(02) Diesel			COMMENTS
	(03) CNG (Compressed Natural Gas)			
	(04) LPG (Liquid Petroleum Gas) also			
	known as Propane			
	(05) LNG (Liquid Natural Gas)			
	(06) Methanol (M100 or M85)			
	(07) Ethanol (E100 or E85)			
	(08) Other (Hydrogen or others) (specify):			
	Electric Powered or Electric/Solar			
	Powered Vehicles			
	(10) Lead Acid Battery		44-	
	(11) Nickel-Iron Battery			
	(12) Nickel-Cadmium Battery			
	(13) Sodium Metal Chloride Battery			
	(14) Sodium Sulfur Battery			
	(18) Other (Specify):			
	(00) 04 111 34 (5 36)			
	(98) Other Hybrid (specify):			
	(99) Unknown fuel type		}	
	100, Chillian Idol Lypo			
			<u> </u>	
	v aman			TOMED AND MAAG NOT AN ACCO ***
* *	* STOP: IF THE CDS APPLICABLE VE	HICLE V	VAS NOT	TOWED AND WAS NOT AN AOPS ***
	(I.E., GV09=0 OR 9 AND GV36=0)	, DO NO	T COMPLE	TE THE INTERIOR VEHICLE FORM.
	,, 2,700 0,011 0 / 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0	,		

National Highway Traffic Safety

INTERIOR VEHICLE FORM

\$ d

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

GLAZING

Glazing Damage from Impact Forces

15. WS 2 16. LF \$\phi\$ 17. RF \$\phi\$ 18. LR \$\phi\$ 19. RR \$\phi\$

20. BL & 21. Roof & 22. Other &

(0) No glazing damage from impact forces

(2) Glazing in place and cracked from impact forces

(3) Glazing in place and holed from impact forces

(4) Glazing out-of-place (cracked or not) and not holed from impact forces

(5) Glazing out-of-place and holed from impact forces

(6) Glazing disintegrated from impact forces

(7) Glazing removed prior to accident

(8) No glazing

(9) Unknown if damaged

Glazing Damage from Occupant Contact

23. WS 🙍 24. LF 🙍 25. RF 💋 26. LR 💆 27. RR 🛕

28. BL & 29. Roof & 30. Other &

(0) No occupant contact to glazing or no glazing

(1) Glazing contacted by occupant but no glazing damage

(2) Glazing in place and cracked by occupant contact

(3) Glazing in place and holed by occupant contact

(4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact

(5) Glazing out-of-place by occupant contact and holed by occupant contact

(6) Glazing disintegrated by occupant contact

(9) Unknown if contacted by occupant

If No Glazing Damage And No Occupant Contact or No Glazing, Then Code IV31 Through IV46 As Ø

Type of Window/Windshield Glazing

31. WS / 32. LF \(\phi \) 33. RF \(\phi \) 34. LR \(\phi \) 35. RR \(\phi \)

36. BL φ 37. Roof φ 38. Other φ

(0) No glazing contact and no damage, or no glazing

(1) AS-1 - Laminated

(2) AS-2 - Tempered

(3) AS-3 - Tempered-tinted

(4) AS-14 - Glass/Plastic

(8) Other (specify):

(9) Unknown

Window Precrash Glazing Status

39. WS / 40. LF Ø 41. RF Ø 42. LR Ø 43. RR Ø

44. BL & 45. Roof & 46. Other &

(0) No glazing contact and no damage, or no glazing

(1) Fixed

(2) Closed

(3) Partially opened

(4) Fully opened

(9) Unknown

Administration

1. Primary Sampling Unit Number

2. Case Number - Stratum

DSI-94-AB-610

3. Vehicle Number

INTEGRITY

4. Passenger Compartment Integrity

(00) No integrity loss

Yes, Integrity Was Lost Through

(01) Windshield

(02) Door (side)

(03) Door/hatch (back door)

(04) Roof

(05) Roof glass

(06) Side window

(07) Rear window (backlight)

(08) Roof and roof glass

(09) Windshield and door (side)

(10) Windshield and roof

(11) Side and rear window (side window and backlight)

(12) Windshield and side window

(13) Door and side window

(98) Other combination of above (specify):

(99) Unknown

Door, Tailgate or Hatch Opening

5. LF / 6. RF / 7. LR / 8. RR / 9. TG/H 🥠

(0) No door/gate/hatch

(1) Door/gate/hatch remained closed and operational

(2) Door/gate/hatch came open during collision

(3) Door/gate/hatch jammed shut

(8) Other (specify):

(9) Unknown

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø

10. LF φ 11. RF φ 12. LR φ 13. RR φ 14. TG/H φ

(0) No door/gate/hatch or door not opened

Door, Tailgate or Hatch Came Open During Collision

(1) Door operational (no damage)

(2) Latch/striker failure due to damage

(3) Hinge failure due to damage

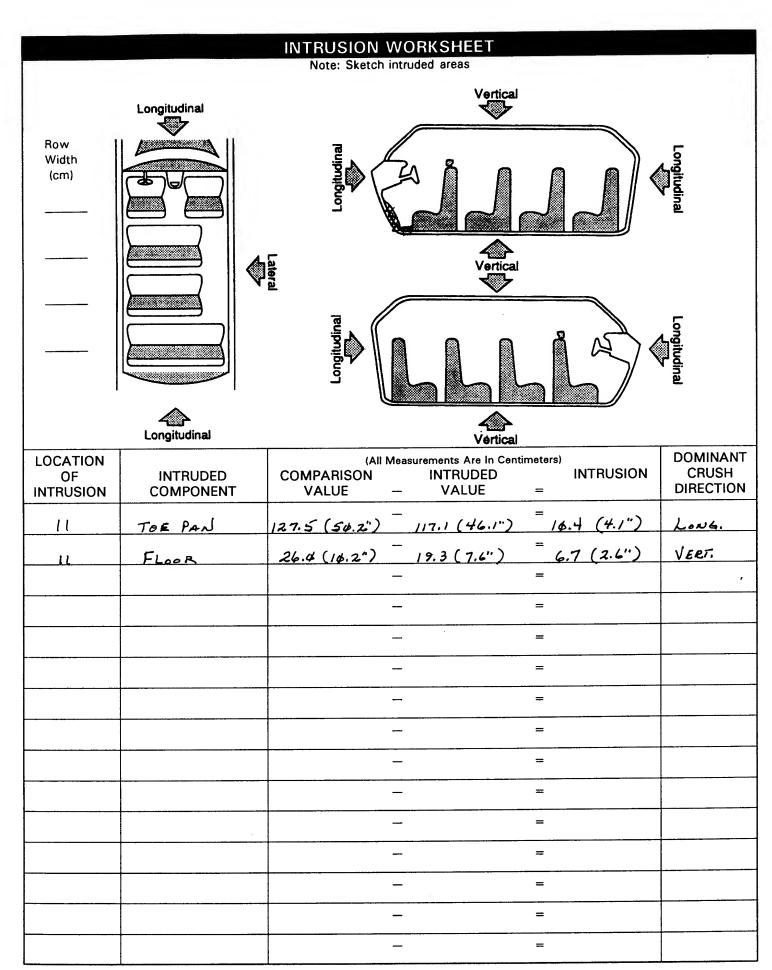
(4) Door structure failure due to damage

(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage

(6) Latch/striker and hinge failure due to damage

(8) Other failure (specify):

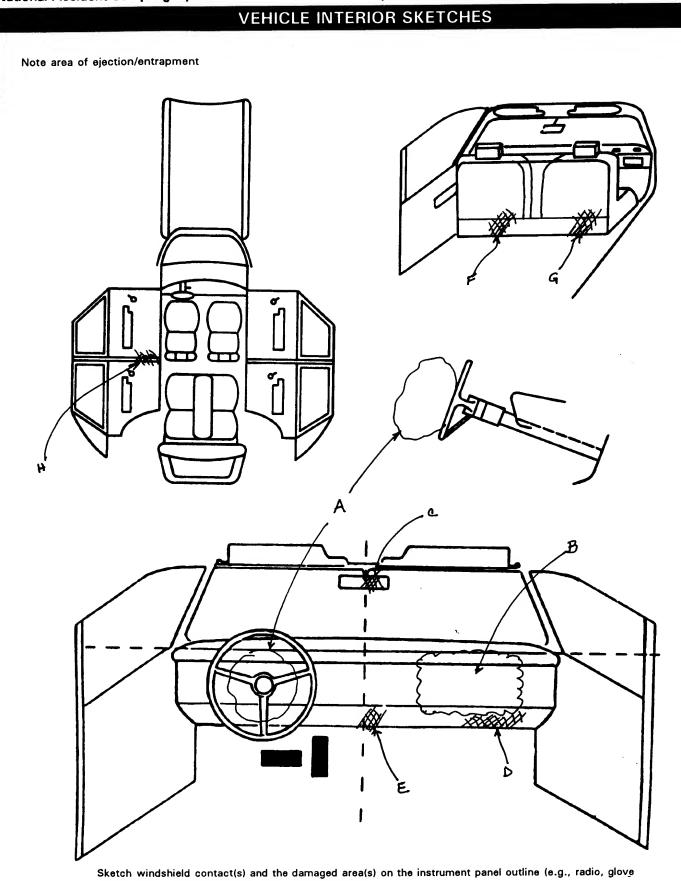
(9) Unknown



	OCCUPANT AF	REA INTRUSION
Note: If no intrusio	ns, leave variables IV47-IV86 blank.	INTRUDING COMPONENT
Location of Intrusion	Dominant Intruding Magnitude Crush Component of Intrusion Direction	Interior Components (01) Steering assembly (02) Instrument panel left (03) Instrument panel center
1st 47. <u>/</u> _/_	48. <u>\$ 5</u> 49. <u>2</u> 50. <u>2</u>	(04) Instrument panel right (05) Toe pan (06) A (A1/A2)-pillar (07) B-pillar
2nd 51. <u>/</u> _/	_ 52. <u>/ </u>	(08) C-pillar (09) D-pillar (10) Door panel (side) (12) Roof (or convertible top)
3rd 55	_ 56 57 58	(13) Roof side rail (14) Windshield (15) Windshield header (16) Window frame
4th 59	60 61 62	(17) Floor pan (includes sill) (18) Backlight header (19) Front seat back (20) Second seat back
5th 63	64 65 66	(21) Third seat back (22) Fourth seat back (23) Fifth seat back (24) Seat cushion
6th 67	68 69 70	(25) Back door/panel (e.g., tailgate) (26) Other interior component (specify):
7th 71	72 73 74	(27) Side panel - forward of the A (A2)-pillar (28) Side panel - rear of the A (A2)-pillar Exterior Components
8th 75	_ 76 77 78	(30) Hood (31) Outside surface of this vehicle (specify): (32) Other exterior object in the environment
9th 79	80 81 82	(specify):(33) Unknown exterior object (97) Catastrophic
10th 83	84 85 86	(98) Intrusion of unlisted component(s) (specify): (99) Unknown
LOCATION OF INT	RUSION	MAGNITUDE OF INTRUSION
Front Seat (11) Left (12) Middle (13) Right Second Seat (21) Left (22) Middle	Fourth Seat (41) Left (42) Middle (43) Right (97) Catastrophic (98) Other enclosed area (specify)	(1) ≥ 3 centimeters but < 8 centimeters (2) ≥ 8 centimeters but < 15 centimeters (3) ≥ 15 centimeters but < 30 centimeters (4) ≥ 30 centimeters but < 46 centimeters (5) ≥ 46 centimeters but < 61 centimeters (6) ≥ 61 centimeters (7) Catastrophic (9) Unknown
(23) Right Third Seat (31) Left (32) Middle (33) Right	(99) Unknown	DOMINANT CRUSH DIRECTION (1) Vertical (2) Longitudinal (3) Lateral (7) Catastrophic (9) Unknown

STEE	RING RIM/SPOKE DEFO	RMATION							
(All Measurements Are in Centimeters)									
COMPARISON VALUE	— DAMAGE VALUE	= DE	FORMATION						
		/ =							
	- /	=							
	_	=							
	- /	= /							

STEERING COLUMN	93. Location of Steering Rim/Spoke
87. Steering Column Type (1) Fixed column (2) Tilt column (3) Telescoping column (4) Tilt and telescoping column (8) Other column type (specify): (9) Unknown	Deformation
88. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.	(09) Complete steering wheel collapse (10) Undetermined location (99) Unknown
89. Blank <u>X X ></u>	INICEDIMENT DANIEL
(This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.	94. Odometer Reading
90. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.	nearest 1,000 kilometers (000) No odometer
	Source: TNSPECTION
91. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.	•
92. Steering Rim/Spoke Deformation Code actual measured deformation to the nearest centimeter (00) No steering rim deformation (01-14) Actual measured value in centimeters (15) 15 centimeters or more (98) Observed deformation cannot be measured (99) Unknown	Occupant Contact? (0) No (1) Yes (8) Not present (9) Unknown
	97. Did Glove Compartment Door Open During Collision(s)? (0) No (1) Yes (8) Not present (9) Unknown



Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

compartment, damage to instrument panel structure.

		POIN	ITS OF OCC	CUPANT CONTACT	
Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Evidence	Confidence Level of Contact Point
Α	45	\$1	FACE	AIR BAG DEPLOYED / BLOOD	
В	45	42	FACE	AIRBAG DEPLOYED /LIP STICK / MAKE UP	
С	\$2	\$2	R-ARM	DISPLACED /CRACKED / BODY OIL	2
D	11	\$2	R. KNEE/LEG	DEFORMATION / ABRADED	1
E	14	\$2	-	DEFORMATION / ABRADED	1
F	44	ø3	R. LEG	DEFORMATION	2
G	44	ø4	R.LEG	DEFORMATION	3
Н	23	ø3	L. LEG	ABRADED	1
I	41	41	TORSO	PUCKERING / LOND MARKS / INJURIES	
J	41	\$ 1	ABDOMEN	LOAD MARKS //WINES	
K					
L					
М					
N					

		CODES	FOR INTERIOR COMPONENTS		
		(23)	Left B-pillar	(46)	Other occupants (specify):
Windsl	nield	(24)	Other left pillar (specify):		
Mirror					Interior loose objects
Sunvis	or	(25)	Left side window glass or frame	(48)	Child safety seat (specify):
Steerin	ng wheel rim	(26)	Left side window glass including		
Steerin	ng wheel hub/spoke		one or more of the following:	(49)	Other interior object (specify):
Steerin	ng wheel (combination		frame, window sill, A (A1/A2)-pillar,		
of code	es 04 and 05)		B-pillar, or roof side rail.		
Steerin	ig column, transmission	(27)	Other left side object (specify):	ROOF	
selecto	or lever, other attachment			(50)	Front header
Add or	equipment (e.g., CB, tape	(28)	Left side window sill	(51)	Rear header
deck, a	air conditioner)			(52)	Roof left side rail
		RIGHT	SIDE	(53)	Roof right side rail
Center	instrument panel and below	(30)	Right side interior surface,	(54)	Roof or convertible top
Right in	nstrument panel and below		excluding hardware or armrests		
Glove	compartment door	(31)	Right side hardware or armrest	FLOOR	
Knee b	olster	(32)	Right A (A1/A2)-pillar	(56)	Floor (including toe pan)
Windsl	nield including one or more	(33)	Right B-pillar	(57)	Floor or console mounted
of the	following: front header,	(34)	Other right pillar (specify):		transmission lever, including
A (A1/	A2)-pillar, instrument panel,				console
mirror,	or steering assembly (driver	(35)	Right side window glass or frame	(58)	Parking brake handle
side or	nly)	(36)	Right side window glass including	(59)	Foot controls including parking
Windsl	nield including one or more		one or more of the following:		brake
	9		frame, window sill, A (A1/A2)-pillar,		
	_		B pillar, or roof side rail.	REAR	
mirror	(passenger side only)	(37)	Other right side object (specify):	(60)	Backlight (rear window)
	Windsl Mirror Sunvis Steerir Steerir of codd Steerir selector Add or deck, a Left ins Center Right in Glove Knee b Windsl of the A (A1/ mirror, side or Windsl of the A (A1/	Windshield Mirror Sunvisor Steering wheel rim Steering wheel hub/spoke Steering wheel (combination of codes 04 and 05) Steering column, transmission selector lever, other attachment Add on equipment (e.g., CB, tape deck, air conditioner) Left instrument panel and below Center instrument panel and below Right instrument panel and below Glove compartment door Knee bolster Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only) Windshield including one or more of the following: front header,	Windshield (24) Mirror Sunvisor (25) Steering wheel rim (26) Steering wheel hub/spoke Steering wheel (combination of codes 04 and 05) Steering column, transmission (27) selector lever, other attachment Add on equipment (e.g., CB, tape deck, air conditioner) Left instrument panel and below Center instrument panel and below Right instrument panel and below Glove compartment door (30) Knee bolster (32) Windshield including one or more (33) of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or	CODES FOR INTERIOR COMPONENTS (23) Left B-pillar (24) Other left pillar (specify): Survisor Steering wheel rim Steering wheel hub/spoke Steering wheel (combination of codes 04 and 05) Steering column, transmission selector lever, other attachment Add on equipment (e.g., CB, tape deck, air conditioner) Left instrument panel and below Right instrument panel and below Right instrument door Knee bolster Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or roof side rail. (23) Left side window glass or frame (26) Left side window sill, A (A1/A2)-pillar, B pillar (specify): (27) Other left side object (specify): (28) Left side window sill, A (A1/A2)-pillar, bright side interior surface, excluding hardware or armrests (30) Right side interior surface, excluding hardware or armrests (31) Right side hardware or armrests (32) Right A (A1/A2)-pillar (33) Right B-pillar (34) Other right pillar (specify): (35) Right side window glass or frame (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail.	CODES FOR INTERIOR COMPONENTS (23) Left B-pillar (specify): Mirror Sunvisor (25) Left side window glass or frame (48) Steering wheel rim (26) Left side window glass including Steering wheel hub/spoke one or more of the following: (49) Steering column, transmission selector lever, other attachment Add on equipment (e.g., CB, tape deck, air conditioner) Left instrument panel and below Right instrument panel and below Right instrument panel and below Glove compartment door Knee bolster Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or roof side vail. (27) Other left side object (specify): ROOF (50) Left isde window sill (51) (52) Left side window glass or frame (58) Right side hardware or armrest FLOOR Right A (A1/A2)-pillar (56) Right side window glass or frame (58) Right side window glass or frame (58) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, REAR

LEFT SIDE

F

(20) Left side interior surface, excluding hardware or armrests

(16) Driver side air bag compartment

- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar

cover

(17) Passenger side air bag

object (specify):

compartment cover (18) Windshield reinforced by exterior

(19) Other front object (specify):

INTERIOR

(40) Seat, back support

(38) Right side window sill

- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify):_____
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)

CONFIDENCE LEVEL OF CONTACT POINT

(61) Backlight storage rack, door, etc.(62) Other rear object (specify):

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

AIR BAGS

		Left	Right
F	Availability/Function	1	l
R	Deployment	1	1
S	Failure	L L	

Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

Air Bag System Deployment

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

Are There Indications of Air Bag System Failure?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

AUTOMATIC BELTS

		Left	Right
F I R S T	Availability/Function	Ø	φ
	Use	Ф	φ
	Туре	φ	φ
	Proper Use	φ	φ
	Failure Modes	ф	ф

Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

Automatic (Passive) Belt Failure Modes During Accident

- (O) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Ocupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous nage

	page.			1
·		Left	Center	Right
	Availability	4	3	4
F	Evidence of usage	PUCHERING / LOAD MARKS		
Ř	Used in this crash?	ø 4	φ¢	\$ \$
S	Proper Use	1	ø	ф
'	Failure Modes	1	4	φ
- C	Availability	4	3	4
SECO	Evidence of usage	Luivay	-	
6	Used in this crash?	Ø3	44	<i>\$\$</i>
N	Proper Use	4	ф	ф
D	Failure Modes	1	ф	\$
	Availability			
<u>o</u>	Evidence of usage			
Н	Used in this crash?			
E	Proper Use			
R	Failure Modes			

Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):
- (02)Shoulder belt
- (03)Lap belt
- (04)Lap and shoulder belt
- (05)Belt used - type unknown
- (08) Other belt used (specify):
- Shoulder belt used with child safety seat
- Lap belt used with child safety seat
- Lap and shoulder belt used with child (14)safety seat
- (15) Belt used with child safety seat type unknown
- Other belt used with child safety seat (18) (specify):
- Unknown if belt used (99)

Proper Use of Manual (Active) Belts

- (0) None used or not available
- Belt used properly
- (2) Belt used properly with child safety seat

Belt Used Improperly

- (3) Shoulder belt worn under arm (4) Shoulder belt worn behind ber
- Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of manual belt system (specify):
- (9) Unknown

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- No manual belt failure(s)
- Torn webbing (stretched webbing not (2) included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

	CHILD SAFET	Y SEAT F	IEL	D ASSE	SSMENT		
Wh	en a child safety seat is present enter the occupant's number using the codes lister	occupant's nu d below. Cor	umb mple	er in the firete a colun	rst row and co nn for each c	omplete the confidence of the	olumn below at present.
Oc	cupant Number						
1.	Type of Child Safety Seat						
2.	Child Safety Seat Orientation			2.2.			
3.	Child Safety Seat Harness Usage						
4.	Child Safety Seat Shield Usage						
5.	Child Safety Seat Tether Usage						
6.	Child Safety Seat Make/Model	Specif	у Ве	elow for Ea	ach Child Saf	ety Seat	
1.			3.	Child Safe	ety Seat Harr	ness Usage	
	 (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify)) :		Child Safe Note: Op	ety Seat Shie ety Seat Teth tions Below A child safety s	ner Usage Are Used for '	Variables 3-5.
2.	(8) Unknown child safety seat type (9) Unknown if child safety seat used Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight	_		(01) Afte add (02) Afte (03) Chil harr (09) Unk	er market har ed, not used er market har d safety seat ness/shield/te		ether ether used after market
	 (01) Rear facing (02) Forward facing (08) Other orientation (specify): 	Designed With Harness/Sh (11) Harness/shield/tether (12) Harness/shield/tether (19) Unknown if harness/s	ether not used ether used	d			
	Designed for Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify): (19) Unknown orientation		0	(21) Hari (22) Hari (29) Unk (99) Unk	ness/shield/te ness/shield/te nown if harn nown if child	ether not used ether used ess/shield/tet I safety seat u	her used
	Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (28) Other orientation (specify):		Ο.		ety Seat Mak make/model a	e/Model and occupant	number)

(29) Unknown orientation

(99) Unknown if child safety seat used

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
F	Head Restraint Type/Damage	3	φ	3
I R	Seat Type	\$6	ø6	ø6
S	Seat Performance	1	ı	7
T	Seat Orientation	1	<u> </u>	
S	Head Restraint Type/Damage	φ	\$	ø
S E C	Seat Type	Ф 3	ø 3	ø 3
0 N	Seat Performance	1	1	
Ď	Seat Orientation	1		1
Т	Head Restraint Type/Damage			
H	Seat Type			
Ř	Seat Performance			
D	Seat Orientation			
0	Head Restraint Type/Damage			
Ť	Seat Type			
Ε	Seat Performance			
R	Seat Orientation			

Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1)
- Integral no damage Integral damaged during accident (2)
- (3) Adjustable no damage
- Adjustable damaged during accident (4)
- (5)
- Add-on no damage Add-on damaged during accident (6)
- (8) Other Specify):
- (9) Unknown

Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify):
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

Seat Performance (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify:
- Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- 5 وبيع 4 (8) Other (specify):
- (9) Unknown

Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- Forward facing seat (1)
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify):
- (9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

Complete the following if the research in the vehicle. Code the appropriate EJECTION No [X] Yes [Describe indications of ejection and	e data on the (dication that a	n occupan essment Fe	t was eithe orm.	r ejected fro	om or entrappe
Occupant Number						
Ejection						
(Note on Vehicle Interior Sketch) Ejection Area						
Ejection Medium						
Medium Status						
Ejection (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown Ejection Area (1) Windshield (2) Left front (3) Right front	(9) Unknown Ejection Medium (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing		fy):	(5) Integral structure (8) Other medium (specify): (9) Unknown Medium Status (Immediately Prior to Impact) (1) Open (2) Closed (3) Integral structure (9) Unknown		
(4) Left rear (5) Right rear (6) Rear (4) Nonfixed glazing (specify): (9) Unknown (9) Unknown						
/ \	s []					
Component(s):						
(Note in vehicle interior diagram)						

OCCUPANT ASSESSMENT FORM NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM National Highway Traffic Safety Administration

	OCCUPANT'S SEATING
Primary Sampling Unit Number	10. Occupant's Seat Position
2. Case Number - Stratum DSI-94-AB- \$\phi_1 \phi\$	Front Seat
3. Vehicle Number	(11) Left side
3. Vehicle Number	(12) Middle (13) Right side
4. Occupant Number	(14) Other (specify):
OCCUPANT'S CHARACTERISTICS	(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month): (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
	Third Seat
6. Occupant's Sex	(31) Left side (32) Middle
(1) Male	(33) Right side
(2) Female	(34) Other (specify):(35) On or in the lap of another occupant
(9) Unknown	Fourth Seat (41) Left side
7. Occupant's Height / 8 ø	(42) Middle
Code actual height to the nearest centimeter.	(43) Right side (44) Other (specify):
(999) Unknown	(45) On or in the lap of another occupant
7 1 inches X 2.54 = 1 8	(97) In or on unenclosed area (98) Other seat (specify): (99) Unknown
8. Occupant's Weight	
Code actual weight to the nearest	11. Occupant's Posture
kilogram. (999) Unknown	(0) Normal posture
1 9 5 pounds X .4536 = Ф 8 8 kilograms	Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another
9. Occupant's Role (1) Driver	occupant or to look out a rear window (5) Sitting on a console
(2) Passenger	(6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front
(9) Unknown	of seat
	(8) Other abnormal posture (specify):
	(9) Unknown

	EJ	ECTION/E	NTRAPMENT
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	ф.	15. Medium Status (Immediately Prior To Impact)
13.	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc (specify): (9) Unknown	_≠	16. Entrapment (NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.) (0) Not entrapped (1) Entrapped (9) Unknown
14.	Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	<i>\$</i>	
	•		

	RESTRAINT SYST	EM EVALUATION
17.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown	21. Air Bag System Availability/Function (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify):
	Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed)	(3) Air bag not reinstalled (9) Unknown
	(8) Other belt (specify): (9) Unknown	22. Air Bag System Deployment (0) Not equipped/not available (1) Air bag deployed during accident (as a result of impact) (2) Air bag deployed inadvertently just
18.	Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify): (02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	prior to accident (3) Air bag deployed, accident sequence undetermined (4) Nondeployed (5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown
	 (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify): (99) Unknown if belt used 	23. Are There Indications of Air Bag System Failure? (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown
19.	Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts
	Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): (8) Other improper use of manual belt system	24. Police Reported Restraint Use (0) None used (1) Police did not indicate restraint use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat
	(specify): (9) Unknown	(7) Other or automatic restraint (specify): AIR BAG (8) Restrained, type unknown (9) Police indicated "unknown"
20.	Manual (Active) Belt Failure Modes During Accident (0) No manual belt used (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other manual belt failure (specify):	10) Tolloc malouted and many
	(9) Unknown	

HEAD RESTRAINT AN	D SEAT EVALUATION
25. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify): (9) Unknown	27. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (specify): (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment intrusion (specify): (7) Combination of above (specify): 4 AND 5 (8) Other (specify): (9) Unknown
(02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Other seat type (specify): (10) Box mounted seat (i.e., van type) (99) Unknown	

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	INJURY CONSEQUENCES	38. Working Days Lost 9 1
34.	Injury Severity (Police Rating) 3	Code the number of days (up through 60) that the occupant
	 (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown 	lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown STOP - GO TO VARIABLE 44 ON PAGE 7
35.	Treatment - Mortality 3	VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER
	(1) Fatal (2) Fatal - ruled disease (specify): Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (8) Treatment - other (specify): (9) Unknown	39. Time to Death Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease (99) Unknown
	Type Of Medical Facility (for Initial Treatment)/	40. 1st Medically Reported Cause of Death
37.	Hospital Stay (00) Not Hospitalized Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown	(97) Other result (includes fatal ruled disease) (specify): (99) Unknown
99.	Case Occupant (0) Not Case Occupant (1) This is the Case Occupant (2) This is the Case Occupant in another case	43. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured

	AUTOMATIC BELT SYSTEM	48	3. Automatic (Passive) Belt Failure Modes
44.	Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown		During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):
	Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown		 (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify): (9) Unknown
45.	Automatic (Passive) Belt System Use (O) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown	49	D. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify): (9) Unknown
46.	Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown		Check the Primary Source Used In Determining Belt
47.	Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify): (8) Other improper use of automatic belt system (specify): (9) Unknown		Use. [] Not equipped/not available/destroyed or rendered inoperative [X] Vehicle inspection [] Official injury data [] Driver/occupant interview [] Other (specify): [] Unknown if belt used
	ARE ALL APPLICABLE MEDICAL RECO WITH INITIAL SUBMISSION?	RDS	S INCLUDED NO [X] YES []
	UPDATE CANDIDATE?		NO [X] YES []

CTOD MADIADIEC EN TUDOLIGUES ARE	BELT USE DETERMINATION
STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER	53. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative
TRAUMA DATA	(1) Vehicle inspection
50. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured	(2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used
51. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given	
52. Arterial Blood Gases (ABG) – HCO ₃	

Form Approved
O.M.B. No. 2127-0021

lational Highway Traffic Safety ministration

OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

_ 3. Vehicle Number

2. Case Number - Stratum

DSI-94-AB-\$10

4. Occupant Number

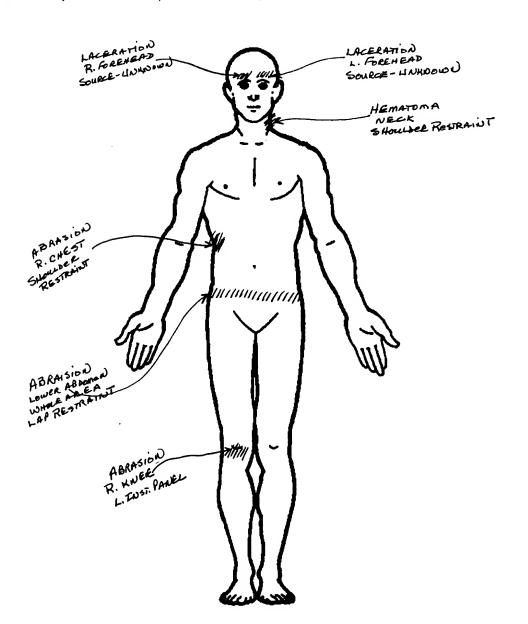
INJURY DATA

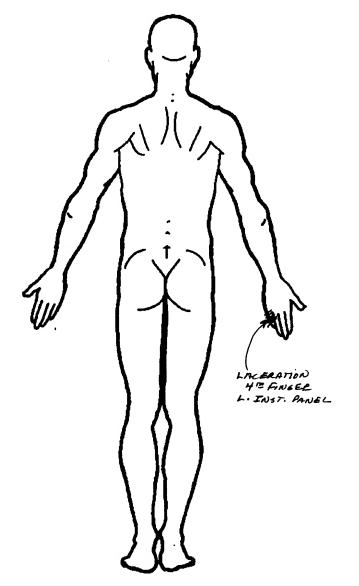
Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

				A.I.S	90	**			Injury		Occupant	
+	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure		f A.I.S. Severity	/ Aspec	Injury t Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number	ICD-9
0			70								90 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1	
1st	5. <u>2</u>	6. <u>4</u>	7. <u>5</u>	8. <u>Ø 2</u>	9. <u>42</u>	10. <u>5</u>	11. <u>3</u>	12. <u>4. 1.</u>	13. <u> </u>	14. <u>1</u>	15. <u>& </u>	8\$7.\$9
2nd	16. <u>2</u>	17. <u>4</u>	18. <u>5</u> 1	9. <u>Ø</u> 8	20. <u>ø</u> <u>4</u>	21. <u>2</u>	22. <u>4</u>	23. <u>4</u> <u>1</u>	24. <u>1</u> 2	25. <u> </u>	26. <u>ø</u> ø	8\$7.2,
3rd	27. <u>2</u>	28. <u>4</u>	29. <u>4</u> 3	o. <u>18</u>	31. <u>¢ 4</u>	32. <u>2</u>	33. <u>2</u>	34. <u>4</u> 1	35. <u>/</u> :	36. <u> </u>	37. <u>¢ ¢</u>	862.29
4th	38. <u>2</u> :	39. <u>8</u>	40. <u></u> 4	1. <u>/ 6</u>	42. <u>/ 2</u>	43. <u>2</u>	44. <u>/</u>	45. <u>5 9</u>	46. <u>/</u> /	17. <u>/</u> - 4	18. <u>ø</u> <u>ø</u>	824.6
5th	49. <u>2</u>	50. <u>4</u>	51. <u> 9</u> 5	2. <u>\$ Z</u>	53. <u>Ø 2</u>	54. <u>/</u>	55. <u>/</u>	56. <u>41</u>	57: <u>/</u> E	58. <u>/</u> 5	59. <u>ф ф</u>	911.¢
6th	60. <u>2</u> 6	31. <u>2</u>	62. <u>9</u> 6	3. <u>Ø 6</u>	64. <u>ø Z</u>	65. <u>/</u>	66. <u>7</u>	67. <u>9 1</u>	68. 7	99. <u>1</u>	70. <u>ф</u> ф	873.42
7th	71. 2	72. <u>2.</u>	73. <u>9</u> 7	4. <u>\$ 6</u>	75. <u>ø 2</u>	76. <u>/</u>	77. <u>7</u>	78. <u>9 7</u>	79. <u>7</u> 8	30. <u>7</u> 8	31. <u>Ø</u> Ø	873.42
8th	82. <u>2</u> 8	33. <u>3</u>	84. <u>9</u> 8	5. <u>ø 4</u>	86. <u>\$\phi 2</u>	87. <u>/</u>	88. <u>2</u>	89. <u>4</u> <u>/</u>	90 9	01. <u>/</u> 9	02. <u>Ø</u> Ø	92¢
9th	93. <u>2</u> 9	94. <u>7</u> 9	95. <u>9</u> 9	6. <u>ф 6</u>	97. <u>ф</u> <u>2</u>	98. <u>/</u>	99. <u> </u>	100. <u>\$ 9</u>	101. <u>/</u> 10	2/_ 10	13. <u>Ø Ø</u>	<u>8</u> 83.¢
¹Oth	104. 2 10)5. <u>5</u> 10	06. <u>9</u> 10	7. <u>\$ 2</u>	108. <u>Ø 2</u>	109	110. <u>ø</u>	111. <u>4 /</u>	112 11	3. <u>/</u> 11	4. <u>ø</u> ø	911.¢

	-				UPANT	INJUNI	DAIR	`	laivas		Occupant	
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number	
:h	2	<u>8</u>	2	02	<u>\$2</u>	1	1	<u>\$9</u>	# - <u>1</u>		केक	_5
h			. *	. (44)	× , , , , , , , , , , , , , , , , , , ,		——————————————————————————————————————		· · · · · · · · · · · · · · · · · · ·			
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Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital/ medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- Interviewee (7)
- Other source (specify): (8)
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee boister
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- Windshield reinforced by exterior object (specify):
- (19) Other front object (specify):

LEFT SIDE

- (20) Left side interior surface. excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify):
- Right side window glass or frame
- Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- Belt restraint B-pillar or door frame attachment point
- Other restraint system component (specify):
- (44)Head restraint system
- Air bag (use codes "16" and "17" for injuries (45)sustained from air bag compartment covers)
- Other occupants (specify): (46)
- (47) Interior loose objects
- (48) Child safety seat (specify):
- (49) Other interior object (specify):

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53)Roof right side rail
- Roof or convertible top (54)

FLOOR

- (56) Floor (including toe pan)
- Floor or console mounted (57)transmission lever, including console
- (58) Parking brake handle
- Foot controls including parking brake

REAR

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

EXTERIOR of OCCUPANT'S VEHICLE

(65) Hood

- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify):
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify)
- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify):
- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify)
- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify):
- (93) Air bag exhaust gases
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- Probable (2)
- Possible (3)
- Unknown (9)

DIRECT/INDIRECT INJURY

- Direct contact injury
- (2) Indirect contact injury
- Noncontact injury (3)
- Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

Body Region

- Head
- (2)Face (3) Neck
- (4)Thorax
- (5) Abdomen (6)
- Spine (7) **Upper Extremity** (8) Lower Extremity Unspecified

Type of Anatomic Structure

- Whole Area
- Vessels (3) Nerves
- (4) Organs (includes muscles/ ligaments)
- (5) Skeletal (includes joints)
- (6)Head - LOC

- Specific Anatomic Structure
- Whole Area (02) Skin Abrasion
- (04) Skin Contusion
- (06) Skin Laceration Skin - Avulsion (08)
- Amputation (10)(20) Burn
- (30) Crush
- (40) Degloving
- Injury NFS (90) Trauma, other than mechanical
- Head LOC
- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

- - (02) Cervical (04) Thoracic
 - Lumbar
 - Vessels, Nerves, Organs Bones, Joints are assigned consecutive two digit numbers beginning with 02

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor injury
- (2) Moderate injury
- Serious injury (3)(4) Severe injury
- Critical injury
- Maximum (untreatable) (6) Injured, unknown severity

Aspect

- Right
- Bilateral Central
- (4) (5) Anterior
- (6) Posterior Superior
- (8) Inferior
- Unknown Whole region

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level (mg/dl)

BAL - ____

Glasgow Coma Scale Score

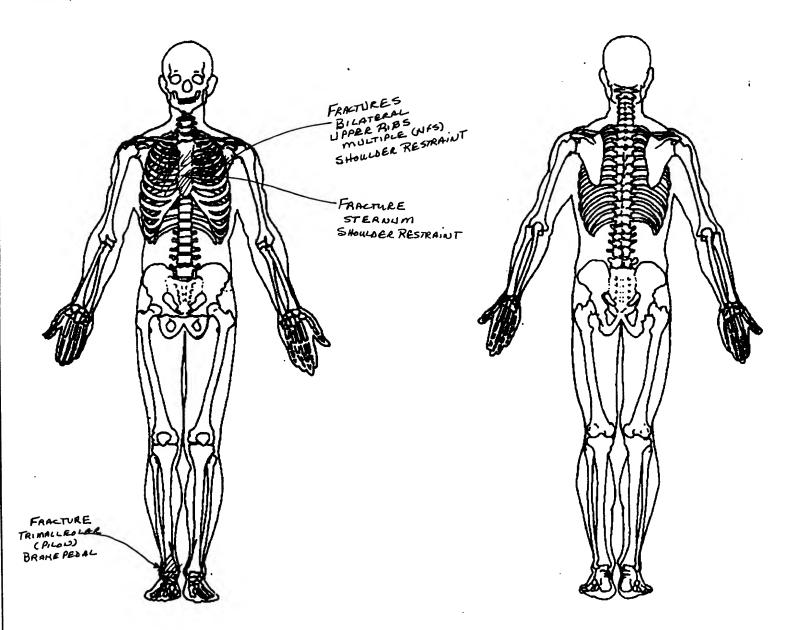
GCSS - 15

Units of Blood Given

Units - LINK

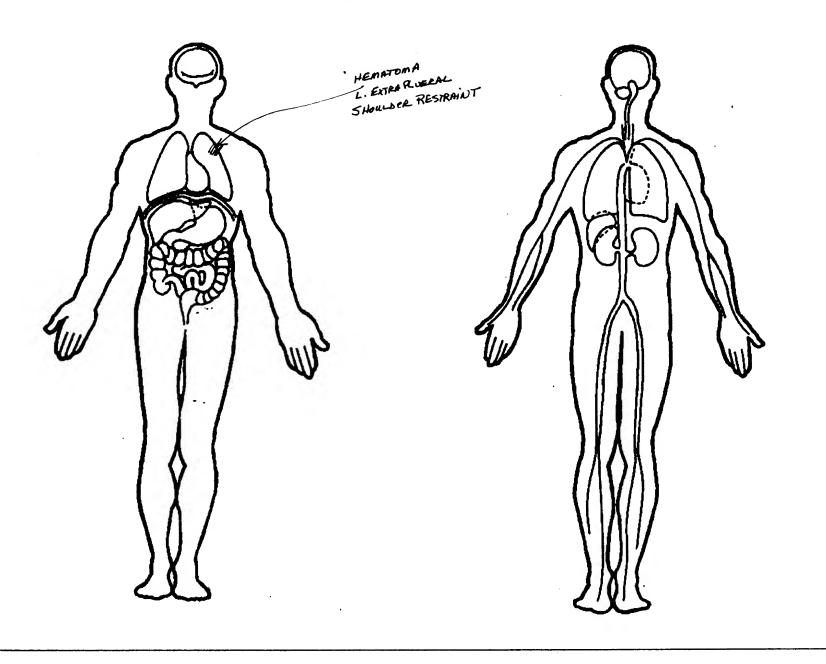
Arterial Blood Gases

PO,= PCO, HCO,



OFFICIAL INJURY DATA -INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





OCCUPANT ASSESSMENT FORM NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

National Highway Traffic Safety Administration	CESSIVIEN I FURIVI NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM
1 Drimary Campling Unit Number	OCCUPANT'S SEATING
1. Primary Sampling Unit Number 2. Case Number - Stratum DST-94-AB-\$\phi\$ 1 3. Vehicle Number 4. Occupant Number OCCUPANT'S CHARACTERISTICS 5. Occupant's Age Code actual age at time of accident.	10. Occupant's Seat Position Front Seat (11) Left side (12) Middle (13) Right side (14) Other (specify): (15) On or in the lap of another occupant Second Seat (21) Left side
(00) Less than one year old (specify by month): (97) 97 years and older (99) Unknown	(22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown 62 inches X 2.54 = 157 centimeters	Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify): (45) On or in the lap of another occupant (97) In or on unenclosed area (98) Other seat (specify): (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown 132 pounds X .4536 = \$\phi\$ 6 \$\phi\$ kilograms 9. Occupant's Role	11. Occupant's Posture (0) Normal posture Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear window (5) Sitting on a console
(1) Driver (2) Passenger (9) Unknown	(6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

EJECTION/ENTRAPMENT									
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	φ	15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown							
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown	<u>Φ</u>	16. Entrapment (NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.) (0) Not entrapped (1) Entrapped (9) Unknown							
14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	ф								

H		RESTRAINT SYST	EM EVALUATION
1	(0) (1) (2)	Shoulder belt	21. Air Bag System Availability/Function (0) Not equipped/not available (1) Air bag
	(3) (4) (5)	Lap and shoulder belt	Non-functional (2) Air bag disconnected (specify):
	161	egral Belt Partially Destroyed Shoulder belt (lap belt destroyed/removed) Lap belt (shoulder belt destroyed/removed)	(3) Air bag not reinstalled (9) Unknown
		Other belt (specify):	22. Air Bag System Deployment (0) Not equipped/not available
	(9)	Unknown	(1) Air bag deployed during accident (as a result of impact)(2) Air bag deployed inadvertently just
1	(00	nual (Active) Belt System Use None used, not available, or belt removed/destroyed	prior to accident (3) Air bag deployed, accident sequence undetermined
	· ·) Inoperative (specify):) Shoulder belt	(4) Nondeployed(5) Unknown if deployed
	(03 (04 (05	Lap belt Lap and shoulder belt Belt used—type unknown Other belt used (specify):	 (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown
	(13	 Shoulder belt used with child safety seat Lap belt used with child safety seat Lap and shoulder belt used with child safety seat 	23. Are There Indications of Air Bag System Failure?
	(15 (18	 Belt used with child safety seat—type unknown Other belt used with child safety seat 	(0) Not equipped/not available(1) No(2) Yes (specify):
	(99	(specify):) Unknown if belt used	(9) Unknown
1	(O) (1)	per Use of Manual (Active) Belts None used or not available Belt used properly Belt used properly with child safety seat	Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts
	(3) (4) (5) (6)	t Used Improperly Shoulder belt worn under arm Shoulder belt worn behind back or seat Belt worn around more than one person Lap belt worn on abdomen Lap belt or lap and shoulder belt used improperly with child safety seat (specify):	24. Police Reported Restraint Use (0) None used (1) Police did not indicate restraint use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt
	(8)	Other improper use of manual belt system (specify):	(5) Belt used, type not specified(6) Child safety seat(7) Other or automatic restraint (specify):
	(9)	Unknown	(8) Restrained, type unknown (9) Police indicated "unknown"
2	Du (0) (1) (2) (3) (4) (5)	nual (Active) Belt Failure Modes ring Accident No manual belt used No manual belt failure(s) Torn webbing (stretched webbing not included) Broken buckle or latchplate Upper anchorage separated Other anchorage separated (specify): Broken retractor Combination of above (specify):	(5) 10.05 11.050 5
		Other manual belt failure (specify):	
	(9)	Unknown	

HEAD RESTRAINT AND SEAT EVALUATION										
25. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):	27. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (specify): (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment intrusion (specify): (7) Combination of above (specify): 4 AND 5 (8) Other (specify):									
26. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Other seat type (specify): (10) Box mounted seat (i.e., van type) (99) Unknown	(9) Unknown									

CHILD SAF	ETY SEAT
28. Child Safety Seat Make/Model (000) No child safety seat Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat (997) Other make/model (specify): (998) Unknown make/model (999) Unknown if child safety seat used	31. Child Safety Seat Harness Usage 32. Child Safety Seat Shield Usage 33. Child Safety Seat Tether Usage Note: Options below applicable to Variables OA31-OA33. (00) No child safety seat
29. Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify): (8) Unknown child safety seat type (9) Unknown if child safety seat used	Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used
20. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify): (09) Unknown orientation Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify): (19) Unknown orientation Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (23) Other orientation (specify): (29) Unknown orientation (99) Unknown if child safety seat used	Unknown If Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used

	INJURY CONSEQUENCES	38. Working Days Lost 9 7
34.	Injury Severity (Police Rating)	Code the number of days (up through 60) that the occupant lost from work due to the accident
	 (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown 	(00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown STOP - GO TO VARIABLE 44 ON PAGE 7
35.	Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):	YARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER 39. Time to Death Code number of hours from time of accident to time of death up through 24
	Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (8) Treatment - other (specify): (9) Unknown	hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease (99) Unknown
36.	Type Of Medical Facility (for Initial Treatment)/_ (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify): (9) Unknown	40. 1st Medically Reported Cause of Death
37.	Hospital Stay (00) Not Hospitalized Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown	(97) Other result (includes fatal ruled disease) (specify): (99) Unknown
99.	Case Occupant (0) Not Case Occupant (1) This is the Case Occupant (2) This is the Case Occupant in another case	43. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured

AUTOMATIC BELT SYSTEM 48. Automatic (Passive) Belt Failure Modes	\$
44. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not inc (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):	
Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify): (9) Unknown	-
45. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown (9) Unknown (9) Unknown (9) Unknown	<u>-</u>
46. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown	
47. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify): (8) Other improper use of automatic belt system (specify): (9) Unknown	
ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED NO [X] YES [] WITH INITIAL SUBMISSION?	×
WITH MITTAL GODIVIIOGION:	

STOR WARRANTES OF THROUGH 53 ARE	BELT USE DETERMINATION
STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER	53. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative
TRAUMA DATA	(1) Vehicle inspection
50. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured	(2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used
51. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given	
52. Arterial Blood Gases (ABG) – HCO ₃ <u>&</u>	

Form Approved O.M.B. No. 2127-0021

tional Highway Traffic Safety ministration

OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1.	Primary Sampling Unit Number	

3. Vehicle Number

d 1

2. Case Number - Stratum

DSI-94-AB-414

Occupant Number

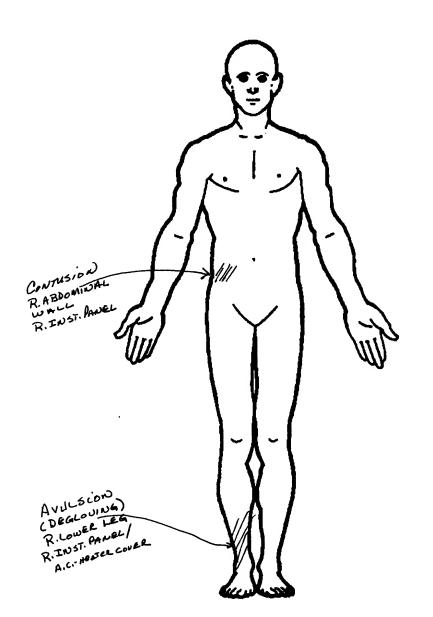
62

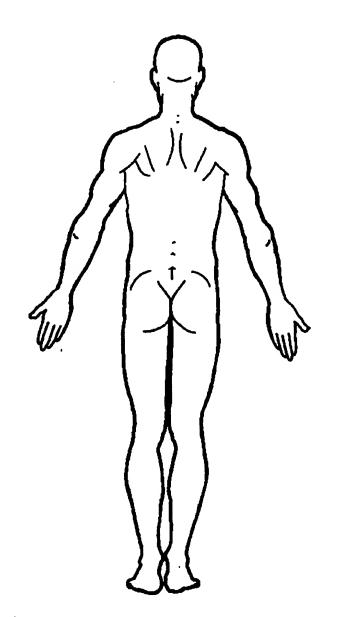
INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

		A.I.S 90							Injury		Occupant	
J. +4	Source of Injury Data	Body Region	Type of Anatomi Structur	ic Anatomi	c Level of	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number	ICD-9
1st	5. <u>2</u>	6. 4	7. <u>5</u>	8. <u>42</u>	9. <u>6</u>	10. <u>5</u>	11. <u>3</u>	12	13	(4 . <u> </u>	5. <u>Ø Ø</u>	807.4
2nd	16. <u>2</u>	17. <u>. 7</u>	18. <u>5</u>	19. <u>2 6</u>	20. <u> ø </u> ‡	21. <u>3</u>	22. <u>2</u>	23. <u>/</u> _ 	24. <u> </u>	25. <u> </u>	6. <u>ФФ</u>	812.31
3rd	27. <u>2</u>	28. <u>පි</u>	29. <u>9</u>	30. <u>4</u>	31. <u>ø</u> <u>6</u>	32. <u>-3</u>	33. <u> </u>	34. <u> </u>	35. <u>/</u> :	36. <u>/</u> _ 3	7. <u>ø ø</u>	891.4
4th	38. <u>2</u>	39. <u>8</u>	40. <u>5</u>	41. <u>2 6</u>	42. <u> </u>	43. <u>2</u>	44. <u>1</u>	45. <u>/ /</u>	46. <u> </u>	17. <u>1</u> 4	18. <u>ø</u> ø_	⊕ \$8.\$
5th	49. <u>2</u>	50. <u>5</u>	51. <u>9</u>	52. <u> ф </u> 4	53. <u>ф2</u>	54. <u>/</u> _	55. <u> </u>	56. <u> </u>	57. <u>l</u> !	58. <u> </u>	9. <u>\$</u>	922.2
6th	60	61	62	63	64	65	66	67	68 (i9 7	o	
7th	71	72	73	74	75	76	77	78	79 8	80 8	1	
ु8th	82	83	84	85	86	87	88	89	90	01 9	2	
9th	93	94	95	96	97	98	99	100	101 10	2 10	3	
Oak		05	0.6	07	108	100			112 11			

				A.I.S 90		INJURY			Injury		Occupant	
-	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number	ICE
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SOURCE OF INJURY DATA OFFICIAL

- (1) Autopsy records with or without hospital/ medical records
- Hospital/medical records other than emergency room (e.g., discharge summary)
- Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- Interviewee
- Other source (specify):
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (O2) Mirror
- (03) Sunvisor
- Steering wheel rim (04)
- Steering wheel hub/spoke (05)
- Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape
- deck, air conditioner)
- (09) Left instrument panel and below (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify):
- (19)Other front object (specify):

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

RIGHT SIDE

- (30) Right side interior surface,
 - excluding hardware or armrests
- (31) Right side hardware or armrest (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify):
- (35) Right side window glass or frame
- Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify):_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify):
- (47) Interior loose objects
- (48) Child safety seat (specify):
- (49) Other interior object (specify):

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- Other exterior surface or tires (specify):
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify)
- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82)Other exterior of other motor vehicle (specify):
- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify)
- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify):
- (93) Air bag exhaust gases
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- Certain (1)
- Probable 121
- Possible (3)
- (9) Unknown

DIRECT/INDIRECT INJURY

- Direct contact injury (1)
- Indirect contact injury (2)
- Noncontact injury (3) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

Body Region

- Head
- Face
- (3) Neck Thorax
- (5) Abdomen
- (6) Spine Upper Extremity
- Lower Extremity Unspecified

Type of Anatomic Structure

- Whole Area
- Vessels Nerves
- Organs (includes muscles/ ligaments)
- (5) Skeletal (includes joints) Head - LOC
- (9)

- Specific Anatomic Structure
- Whole Area (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration
- (08) Skin Avulsion Amputation (10)
- (20) Burn
- (30) Crush (40)
- Degloving Injury NFS Trauma, other than mechanical
- Head LOC (02) Length of LOC
- (04, 06, 08) Level of Consciousness

- (02) Cervical (04) Thoracic
- (06) Lumbar
- Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02

Level of Injury

- Specific injuries are assigned consecutive two-digit numbers beginning with 02.
- To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

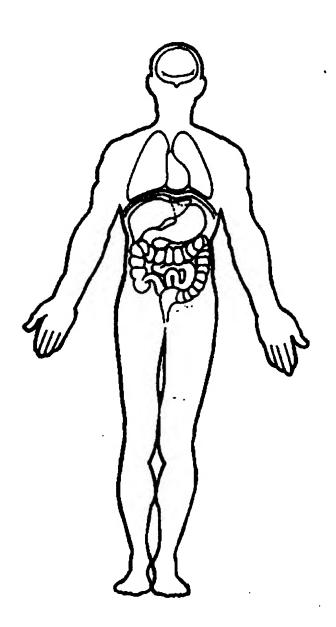
- Minor injury
- Moderate injury
- (3) Serious injury Severe injury (4)
- (5) Critical injury
- (6) Maximum (untreatable) Injured, unknown severity (7)

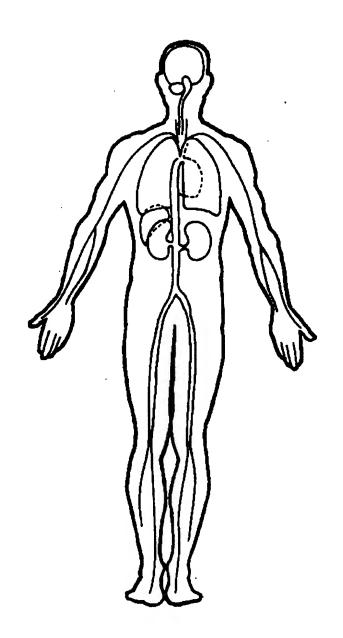
Aspect

- (1) Right
- Left (2)
- Bilateral Central
- (4) (5) Anterior
- Posterior (6) Superior
- (8) Inferior
- (9) Unknown
- Whole region

OFFICIAL INJURY DATA - INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





National Highway Traffic Safety Administration

OCCUPANT ASSESSMENT FORM NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

	OCCUPANT'S SEATING
Primary Sampling Unit Number	10. O
2. Case Number - Stratum DSI-94-AB - \$\phi 1 \phi\$	10. Occupant's Seat Position 2 1 Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number <u>\$3</u>	(13) Right side
	(14) Other (specify):
OCCUPANT'S CHARACTERISTICS	(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month): (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant Fourth Seat
7. Occupant's Height 9 9 9 Code actual height to the nearest centimeter. (999) Unknown inches X 2.54 = centimeters	 (41) Left side (42) Middle (43) Right side (44) Other (specify):
8. Occupant's Weight 9999 Code actual weight to the nearest kilogram. (999) Unknown	(99) Unknown 11. Occupant's Posture (0) Normal posture
pounds X .4536 = kilograms	Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear window
9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	(5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

			NTRAPMENT
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	ψ	15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
13.	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown	Φ	16. Entrapment (NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.) (0) Not entrapped (1) Entrapped (9) Unknown
14.	Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	\$	

RESTRAINT SYST	TEM EVALUATION
17. Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt	21. Air Bag System Availability/Function (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify):
 (5) Belt available—type unknown Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) 	(3) Air bag not reinstalled (9) Unknown
(8) Other belt (specify): (9) Unknown 18. Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify): (02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify): (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify):	22. Air Bag System Deployment (0) Not equipped/not available (1) Air bag deployed during accident (as a result of impact) (2) Air bag deployed inadvertently just prior to accident (3) Air bag deployed, accident sequence undetermined (4) Nondeployed (5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown 23. Are There Indications of Air Bag System Failure? (0) Not equipped/not available (1) No (2) Yes (specify):
(99) Unknown if belt used 19. Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	(9) Unknown Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts
 Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): (8) Other improper use of manual belt system (specify): (9) Unknown 	24. Police Reported Restraint Use (0) None used (1) Police did not indicate restraint use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Other or automatic restraint (specify): (8) Restrained, type unknown
20. Manual (Active) Belt Failure Modes During Accident (0) No manual belt used (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other manual belt failure (specify):	(9) Police indicated "unknown"

HEAD RESTRAINT A	AND SEAT EVALUATION
25. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):	 (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (specify):
26. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Other seat type (specify):	(7) Combination of above (specify): (8) Other (specify): (9) Unknown
(10) Box mounted seat (i.e., van type) (99) Unknown	

CHILD SAF	FETY SEAT
28. Child Safety Seat Make/Model (000) No child safety seat Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat (997) Other make/model (specify): (998) Unknown make/model (999) Unknown if child safety seat used	31. Child Safety Seat Harness Usage 32. Child Safety Seat Shield Usage 33. Child Safety Seat Tether Usage Note: Options below applicable to Variables OA31-OA33. (00) No child safety seat
29. Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify): (8) Unknown child safety seat type (9) Unknown if child safety seat used	Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used
30. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify): (09) Unknown orientation Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify): (19) Unknown orientation Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (28) Other orientation (specify): (29) Unknown orientation (99) Unknown if child safety seat used	Unknown If Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used

	INJURY CONSEQUENCES	38. Working Days Lost 9 7
24	Injury Severity (Police Rating)	Code the number of days
34.	Injury Severity (Police Rating) 3	(up through 60) that the occupant
	(0) O - No injury	lost from work due to the accident (00) No working days lost
	(1) C - Possible injury	(61) 61 days or more
	(2) B - Nonincapacitating injury	(62) Fatally injured
	(3) A - Incapacitating injury(4) K - Killed	(97) Not working prior to accident
	(5) U - Injury, severity unknown	(99) Unknown
	(6) Died prior to accident	
	(9) Unknown	STOP - GO TO VARIABLE 44 ON PAGE 7

25	Treatment - Mortality 3	VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER
30.	(0) No treatment	COMPLETED BY THE ZONE CENTER
	(1) Fatal	
	(2) Fatal - ruled disease (specify):	39. Time to Death ϕ
1		Code number of hours from time of
	Nonfotol	accident to time of death up through 24
	Nonfatal (3) Hospitalization	hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day =
	(4) Transported and released	31, 2 days = 32, n days = 30 + n up
	(5) Treatment at scene - nontransported	through 30 days = 60)
	(6) Treatment later	(00) Not fatal
	(8) Treatment - other (specify):	(96) Fatal - ruled disease
	(9) Unknown	(99) Unknown
		40. 1st Medically Reported Cause of Death
36.	Type Of Medical Facility (for Initial Treatment)	
	(0) Not treated at a medical facility	41. 2nd Medically Reported Cause of Death ϕ
	(1) Trauma center (2) Hospital	42. 3rd Medically Reported Cause of Death ϕ
	(3) Medical clinic	42. 3rd Medically Reported Cause of Death _ф _Ф _Ф
	(4) Physician's office	number(s) for the medically reported
	(5) Treatment later at medical facility	injury(s) which reportedly contributed to
	(8) Other (specify):	this occupant's death
	(9) Unknown	(00) Not fatal or no additional causes
	(3) OTIKIOWII	(96) Mode of death given but specific injuries are not linked to cause
		of death. (specify):
37.	Hospital Stay 9 9	
	(00) Not Hospitalized	(97) Other result (includes fatal ruled
	Code the number of days (up through 60) that the occupant stayed in hospital.	disease) (specify):
}	(61) 61 days or more	(99) Unknown
	(99) Unknown	1007 Gillatown
۵۵	Case Occupant ϕ	43. Number of Recorded Injuries for
33.	(0) Not Case Occupant	This Occupant
	(1) This is the Case Occupant	injuries recorded for this occupant.
	(2) This is the Case Occupant	(00) No recorded injuries
	in another case	(97) Injured, details unknown
		(99) Unknown if injured
1		

	Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown	‡	48.	Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):
45.	Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown	<u></u>	49.	Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify): (9) Unknown
46.	Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown	≱ _		Check the Primary Source Used In Determining Belt Use.
47.	Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify): (8) Other improper use of automatic belt system (specify): (9) Unknown	φ.		[] Not equipped/not available/destroyed or rendered inoperative [X] Vehicle inspection [] Official injury data [] Driver/occupant interview [] Other (specify): [] Unknown if belt used
	ARE ALL APPLICABLE MEDICAL REC	COF	RDS	INCLUDED NO [X] YES []
	UPDATE CANDIDAT	E?		NO [X] YES []

CTOR MADIABLES EN TUROUSU ES ARE	BELT USE DETERMINATION
STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER	53. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative
TRAUMA DATA	(1) Vehicle inspection (2) Official injury data
50. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured	(3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used
51. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given	
52. Arterial Blood Gases (ABG) – HCO ₃ <u>9</u> <u>7</u> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of theHCO ₃ (96) ABGs reported , HCO ₃ unknown (97) Injured, details unknown (99) Unknown if injured	

Form Approved O.M.B. No. 2127-0021

*Intional Highway Traffic Safety Iministration

OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1.	Primary Sampling Unit Number	

3. Vehicle Number

\$ 1

2. Case Number - Stratum

DSI-94-AB-610

4. Occupant Number

<u>\$ 3</u>

INJURY DATA

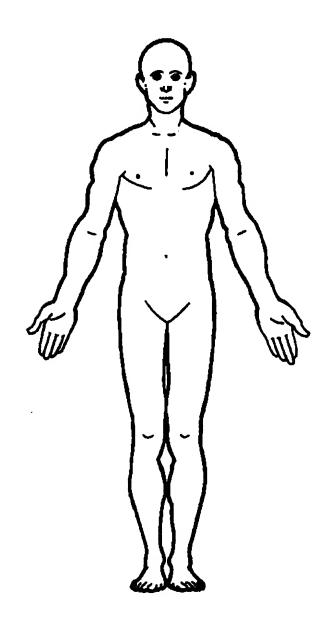
Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

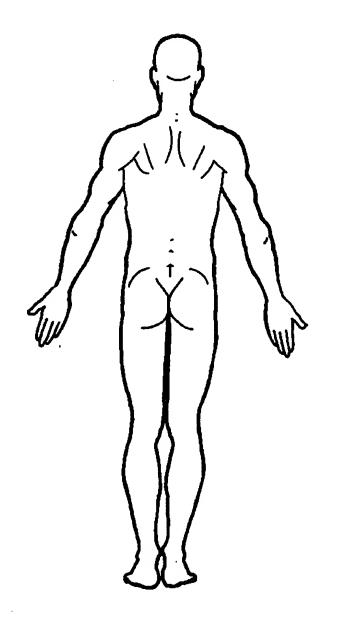
	A.I.S 90							Injury Occupar			
	Source of Injury Data	Body Region	Type of Anatomic Structure	c Anatomic		A.I.S. Severity	Aspec	Injury t Source		Direct/ e Indirect Injury	Area Intrusion Number
	5. <u>2</u>	6. <u>6</u>	7. <u>5</u>	8. <u>\$ 6</u>	9. <u>3 φ</u>	10. <u>2</u>	11. <u>8</u>	12. <u>9</u> <u>2</u>	13. <u>/</u>	14. <u>3</u> 1	15. <u>& </u>
	16. <u>2</u>	17. <u></u>	18. <u>4</u>	19. <u>/ 4</u>	20. <u>2 2</u>	21. <u>2</u>	22. <u>8</u>	23. <u>4 1</u>	24. <u> </u>	25. <u>/</u> 2	26. <u>ob ob</u>
	27	28	29	30	31	32	33	34	35	36 3	3 7
	38	39,	40	41	42	43	44	45. <u> </u>	46	47 4	8
1	49	50	51	52	53	54	55	56	57	58 5	9,
h	60	61	62	63	64	65	66	67	68	69 7	o
1	71	72	73	74	75	76	77	78	79	80 8	1
)	82	83	84	85	86	87	88	89	90	91 9	2
))	93	94	95	96	97	98	99	100	1011	02 10	3
th	104 1	05 1	06. 10	07. 1	l 08	109 1	110	111	112 1	13 11	4

		OCCUPANT INJURY DATA A.I.S 90 Injury Occu						Occupant			
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
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				1	*******	H. 1				Age Age	-
							8				11

OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital/ medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency

UNOFFICIAL

- (5) Lav coroner report
- E.M.S. personnel
- Interviewee
- Other source (specify):
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- Windshield reinforced by exterior object (18)(specify):
- (19) Other front object (specify):

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify):
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify):
- (44)Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify):
- (47) Interior loose objects
- (48) Child safety seat (specify):
- (49) Other interior object (specify):

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify):
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77)Side mirrors
- (78) Other side protrusions (specify)
- (79) Rear surface
- (80) Undercarriage
- Tires and wheels (81)
- Other exterior of other motor vehicle (82)(specify):
- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify)
- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): INBATIAL FORCES
- (93) Air bag exhaust gases
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2)Probable
- (3) Possible
- Unknown

DIRECT/INDIRECT INJURY

- Direct contact injury
- Indirect contact injury
- Noncontact injury Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

Body Region

- Head
- (2) Face
- Neck (4) (5) Thorax
- Abdomen Spine
- (7)Upper Extremity (8)
- Lower Extremity Unspecified

Type of Anatomic Structure

- Whole Area
- Vessels
- (3) Nerves
- Organs (includes muscles/ ligaments)
- Skeletal (includes joints)
- (6) Head - LOC (9) Skin

Specific Anatomic Structure

- Whole Area (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration Skin - Avulsion (08)
- Amputation (10)(20)
- Burn (30)Crush
- (40)Degloving
- Injury NFS
- Head LOC

(90)

- Length of LOC
- (04, 06, 08) Level of Consciousness

Trauma, other than mechanical

(10) Concussion

- Cervical Thoracic (06) Lumbar
- Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor injury
- Moderate injury
- Serious injury
- (4) (5) Severe injury Critical injury
- Maximum (untreatable) Injured, unknown severity

Aspect

- Right
- Left
- (3) Bilateral Central
- (5) Anterior
- (6) Posterior Superior
- Inferior
- (9)Unknown
- Whole region

OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

No

X Yes

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level (mg/dl)

BAL - 0

Glasgow Coma Scale Score

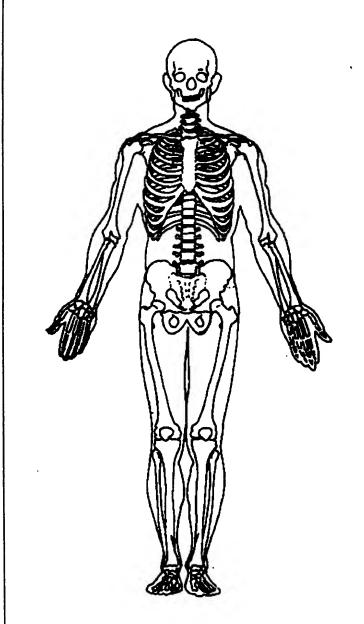
GCSS - UNK

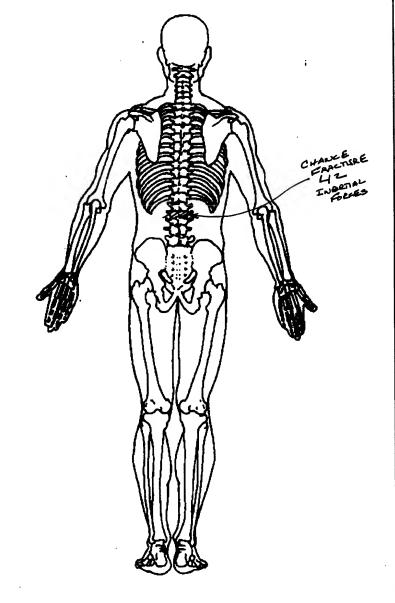
Units of Blood Given

Units = UNK

Arterial Blood Gases

PO₂= PCO₂ HCO₃

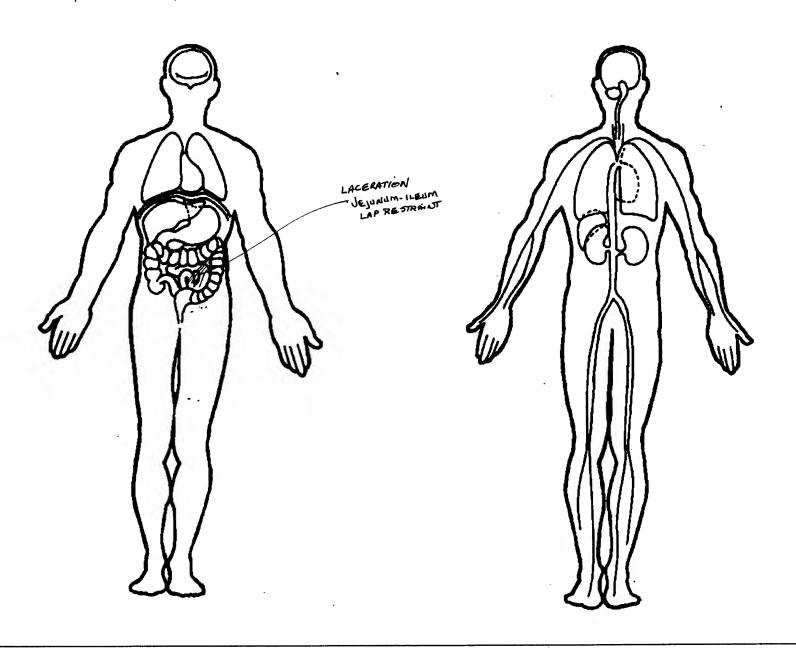




Page

OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OCCUPANT ASSESSMENT FORM NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

O.M.B. No. 2127-0021

2 3
seat another in front
а

	EJEC	CTION/E	NTRAPMENT
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	4	15. Medium Status (Immediately Prior To Impact) (O) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
13.	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown	_φ_	16. Entrapment (NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.) (0) Not entrapped (1) Entrapped (9) Unknown
14.	Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	Φ	

RESTRAINT SYST	TEM EVALUATION
17. Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt	21. Air Bag System Availability/Function (0) Not equipped/not available (1) Air bag
(3) Lap belt(4) Lap and shoulder belt(5) Belt available—type unknown	Non-functional (2) Air bag disconnected (specify):
Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed)	(3) Air bag not reinstalled (9) Unknown
(8) Other belt (specify):	22. Air Bag System Deployment (0) Not equipped/not available
(9) Unknown	(1) Air bag deployed during accident (as a result of impact)
18. Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify):	 (2) Air bag deployed inadvertently just prior to accident (3) Air bag deployed, accident sequence undetermined (4) Nondeployed
(02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	 (5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown
 (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify): (99) Unknown if belt used 	23. Are There Indications of Air Bag System Failure? (0) Not equipped/not available (1) No (2) Yes (specify):
(65, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	(9) Unknown
19. Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts
Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): (8) Other improper use of manual belt system	24. Police Reported Restraint Use (0) None used (1) Police did not indicate restraint use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat
(specify):	(7) Other or automatic restraint (specify):
(3) SHKHOWH	(8) Restrained, type unknown (9) Police indicated "unknown"
20. Manual (Active) Belt Failure Modes During Accident (0) No manual belt used (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify):	
(9) Unknown	

	HEAD RESTRAINT AN	ID SEAT EVALUATION
	Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):	27. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (specify): (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment intrusion (specify): (7) Combination of above (specify):
26.	Seat Type (this Occupant Position)	(8) Other (specify): (9) Unknown
	 (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Other seat type (specify): 	
	(10) Box mounted seat (i.e., van type) (99) Unknown	

CHILD SA	FETY SEAT
28. Child Safety Seat Make/Model (000) No child safety seat Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat (997) Other make/model (specify): (998) Unknown make/model (999) Unknown if child safety seat used	31. Child Safety Seat Harness Usage 32. Child Safety Seat Shield Usage 33. Child Safety Seat Tether Usage Note: Options below applicable to Variables OA31-OA33. (00) No child safety seat
29. Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify): (8) Unknown child safety seat type (9) Unknown if child safety seat used 30. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify): (09) Unknown orientation Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (13) Other orientation (specify): (19) Unknown orientation Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (23) Other orientation (specify): (29) Unknown orientation (99) Unknown orientation	Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used Unknown If Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used

	INJURY CONSEQUENCES	38. Working Days Lost9_7_
34.	Injury Severity (Police Rating) 3	Code the number of days (up through 60) that the occupant
	 (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown 	lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown STOP - GO TO VARIABLE 44 ON PAGE 7
35.	Treatment - Mortality 3	VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER
	(0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):	39. Time to Death Code number of hours from time of accident to time of death up through 24
	Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (8) Treatment - other (specify): (9) Unknown	hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease (99) Unknown
36.	Type Of Medical Facility (for Initial Treatment) (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):	 40. 1st Medically Reported Cause of Death φ φ 41. 2nd Medically Reported Cause of Death φ φ 42. 3rd Medically Reported Cause of Death code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific
37.	Hospital Stay (00) Not Hospitalized Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown	injuries are not linked to cause of death. (specify): (97) Other result (includes fatal ruled disease) (specify): (99) Unknown
99.	Case Occupant (0) Not Case Occupant (1) This is the Case Occupant (2) This is the Case Occupant in another case	43. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured

44.	Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown Non-functional (4) Automatic belts destroyed or rendered	48. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):
45	inoperative (9) Unknown	(7) Combination of above (specify): (8) Other automatic belt failure (specify): (9) Unknown
45.	Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown	49. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify): (9) Unknown
46.	Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown	Check the Primary Source Used In Determining Belt
47.	Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify): (8) Other improper use of automatic belt system (specify): (9) Unknown	Use. [] Not equipped/not available/destroyed or rendered inoperative [X] Vehicle inspection [] Official injury data [] Driver/occupant interview [] Other (specify): [] Unknown if belt used
	ARE ALL APPLICABLE MEDICAL RECO	ORDS INCLUDED NO $[X]$ YES $[\]$
	UPDATE CANDIDATE?	NO [X] YES []

STOR MADIABLES TO TUROUSU E2 ARE	BELT USE DETERMINATION
STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER	53. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative
TRAUMA DATA	(1) Vehicle inspection
50. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured	(2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used
51. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given	
52. Arterial Blood Gases (ABG) – HCO ₃ <u>9</u> 7 (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of theHCO ₃ (96) ABGs reported , HCO ₃ unknown (97) Injured, details unknown (99) Unknown if injured	



U.S. Department of Transportation

Form Approved O.M.B. No. 2127-0021

National Highway Traffic Safety Iministration

OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

\$ 1

2. Case Number - Stratum

DST-94-AB-616

4. Occupant Number

Ø 4

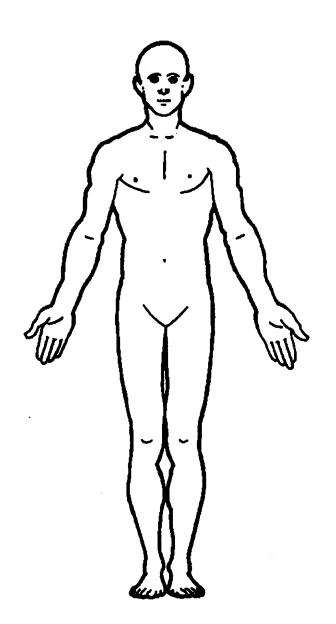
INJURY DATA

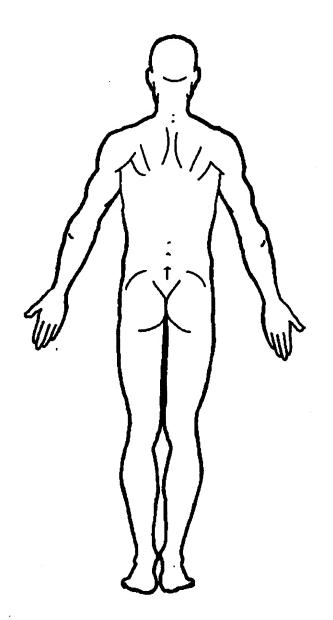
Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

				A.I.S	90				Injury		Occupant	
w.	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Sourc e	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number	ICD-9
1st	5. <u>2</u>	6. <u>8</u>	7. <u>5</u>	8. <u>/ 8</u>	9. <u>/ 6</u>	10. 2	11. <u>/</u>	12. <u>4 ø</u>	13	14. 2	15. <u>ф</u> ф	821. ¢
2nd	16. <u>2</u>	17. <u>8</u>	18. <u> S</u> 1	9. <u>/ 8</u>	20. <u>/ 6</u>	21. <u>Z</u>	22. <u> </u>	23. <u>4</u> .ф	24. <u> </u>	25. <u>2</u> :	26. ф ф	821.ø
3rd	27.	28.	29. 3	0.	31,	32.	33.	34	35.	36	37	
4th	38	39	404	1	42	43	44	45	46	17	18	
5th	49	50	515	2	53	54	55	56	57!	58 !	59	
6th	60	61	626	3	64	65	66	67	68 6	99	70	3 s ; !!
Ĭ,												
7th	71	72	73 7	4	75	76	77	78	79 8	30. <u> </u>	31	
8th	82.	83	84 8	5	86	87	88	89	90	91 \$	92	
9th	93	94	9590	6	97	98	99	100	101 10)2 10	03	
1 Oth	104 1	05 1	06 10	7. 1	08	109 . 1	10.	111.	112 11	3. 11	4.	

	OCCUPANT INJURY D					DAIA		Injury		Occupant		
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number	ı
th												
1 Ui												
2th									-		δ - m	
3th	* ,											\vdash
4th												
5th			_				-		-			\Vdash
												*
6th			-									F
7th												
. s'*												
8th									_			-
~												
9th												
_Oth									_	_		
		, X										
∠1st			· · · · · · · · · · · · · · · · · · ·			-			0		-	\parallel
2nd											97 -	
	· ·											
23rd			*			_				. —		\Vdash
						a 20						
l4th			_									H
!5th												

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





SOURCE OF INJURY DATA OFFICIAL

- (1) Autopsy records with or without hospital/ medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- Interviewee
- Other source (specify):
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (O2) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify):
- (19) Other front object (specify):

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- Other right pillar (specify): (34)
- Right side window glass or frame
- Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- Belt restraint B-pillar or door frame (42)attachment point
- (43)Other restraint system component (specify):
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify):
- (47) Interior loose objects
- (48) Child safety seat (specify):
- (49) Other interior object (specify):

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

RFAR

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- Other exterior surface or tires (specify):
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify)
- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- Other exterior of other motor vehicle (82)(specify):
- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE **FNVIRONMENT**

- (84) Ground
- (85)Other vehicle or object (specify)
- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- Other noncontact injury source (92) (specify):
- (93) Air bag exhaust gases
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- Certain (1)
- Probable 121
- Possible (3)
- (9) Unknown

DIRECT/INDIRECT INJURY

- Direct contact injury
- Indirect contact injury (2)
- Noncontact injury (3) Injured, unknown source (7)

OCCUPANT INJURY CLASSIFICATION

Body Region

- Head
- (2) (3) Face
- Neck Thorax
- (5) Abdomen
- (6) Spine Upper Extremity
- Lower Extremity Unspecified

Type of Anatomic Structure

- Whole Area
- Vessels
- Nerves
- Organs (includes muscles/ ligaments)
- Skeletal (includes joints) (5) Head - LOC
- (9)

- Specific Anatomic Structure
- Whole Area (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration
- (08) Skin Avulsion (10) Amputation
- Burn (20)
- (30) Crush
- 1401 Degloving Injury - NFS
- (50) Trauma, other than mechanical
- Head LOC (02) Length of LOC
- (04, 06, 08) Level of Consciousness

- - (02) Cervical (04) Thoracic

Level of Injury

(06) Lumbar

Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor injury
- Moderate injury
- Serious injury Severe injury (4)
- Critical injury
- Maximum (untreatable) Injured, unknown severity (7)

Aspect

- Right
- (2) Left
- Bilateral Central
- (5) Anterior Posterior
- (6)Superior
- (8) Inferior Unknown
- Whole region

OFFICIAL INJURY DATA - SKELETAL INJURIES

Restrained?

X No

__ Yes

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level (mg/dl)

BAL - of

Glasgow Coma Scale Score

GCSS - UNK

Units of Blood Given

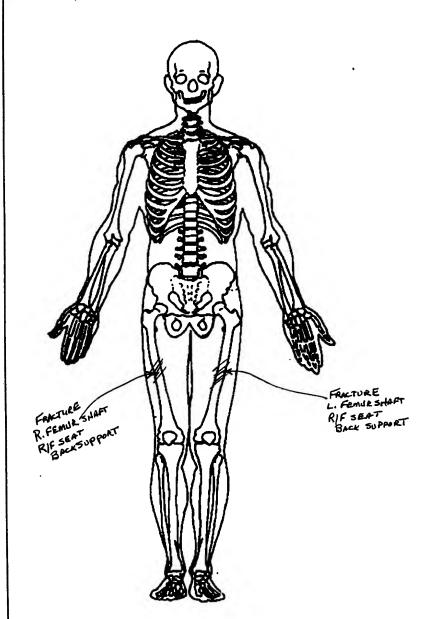
Units - UNK

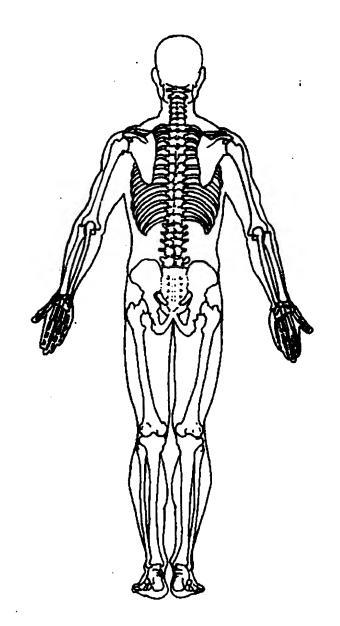
Arterial Blood Gases

pH = _.__

PCO,

нсо,

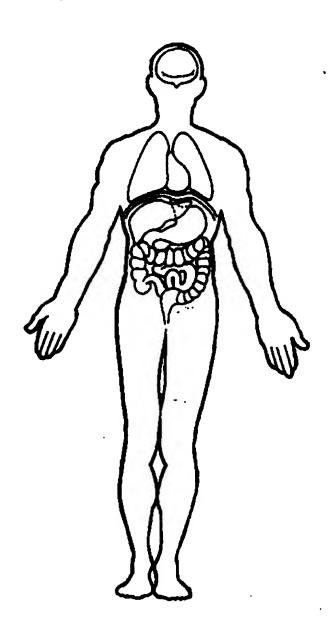


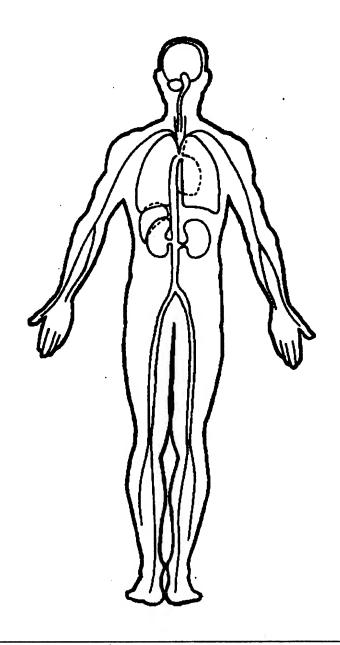


rage :

OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





National Highway Traffic Safety GENERAL National Stration	VEHICLE FORM NATIONAL ACCIDENT SAMPLING SYST
1. Primary Sampling Unit Number 2. Case Number - Stratum カンエータリー・4日 - ゆノタ 3. Vehicle Number	- (7) Not reported
VEHICLE IDENTIFICATION	Note: See variables 37 through 55
4. Vehicle Model Year Code the last two digits of the model year (99) Unknown 5. Vehicle Make (specify): TNTERNATIONAL Applicable codes are found in your NASS Data Collection, Coding and Editing Manual. (99) Unknown	12. Alcohol Test Result For Driver Code actual value (decimal implied before first digit—0.xx) (95) Test refused
6. Vehicle Model (specify): 8 8 1	ACCIDENT RELATED
F 937¢ CBE Applicable codes are found in your NASS Data Collection, Coding and Editing Manual. (999) Unknown	13. Speed Limit (000) No statutory limit Code posted or statutory speed limit in kph (999) Unknown
7. Body Type Note: Applicable codes may be found on the back of this page.	14. Attempted Avoidance Maneuver
8. Vehicle Identification Number 2 H S F B A C R 2 H C 1 2 3 4 5 6 7 8 9 10 11 /2 /3 /4 1/6 /9 Left justify; Slash zeros and letter Z (0 and Z)	(02) Braking (no lockup) (03) Braking (lockup) (04) Braking (lockup unknown) (05) Releasing brakes (06) Steering left (07) Steering right (08) Braking and steering left
No VIN—Code all zeros Unknown—Code all nines OFFICIAL RECORDS	(09) Braking and steering right (10) Accelerating (11) Accelerating and steering left (12) Accelerating and steering right (97) No driver present
9. Police Reported Vehicle Disposition (0) Not towed due to vehicle damage (1) Towed due to vehicle damage (9) Unknown	(98) Other action (specify): (99) Unknown
10. Police Reported Travel Speed 9 9 9 Code to the nearest kph (NOTE: 000 means less than 0.5 kph) (160) 159.5 kph and above (999) Unknown	15. Accident Type Applicable codes may be found on the back of page two of this field form (00) No impact Code the number of the diagram that best describes the accident circumstance (98) Other accident type (specify): (99) Unknown
mph X 1.6093 = kph	

CODES FOR BODY TYPE

CDS APPLICABLE VEHICLES

Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (O3) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify):
- (09) Unknown automobile type

Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

Utility Vehicles (≤ 4,500 kgs GVWR)

- (14) Compact utility (Jeep CJ-2 CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Landcruiser, Rover, Scout)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

Van Based Light Trucks (≤ 4,500 kgs GVWR)

- (20) Minivan (Chrysler Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Dodge/Plymouth Vista, Aerostar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van (≤ 4,500 kgs GVWR)
- (23) Van based motorhome (≤ 4,500 kgs GVWR)
- (24) Van based school bus (≤ 4,500 kgs GVWR)
- (25) Van based other bus (≤ 4,500 kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify):
- (29) Unknown van type

Light Conventional Trucks (Pickup style cab, ≤ 4,500 kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500,)

- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

Other Light Trucks (≤ 4,500 kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

OTHER VEHICLES

Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify):
- (59) Unknown bus type

Medium/Heavy Trucks (> 4,500 kgs GVWR)

- (60) Step van (> 4,500 kgs GVWR)
- (61) Single unit straight truck (4,500 kgs < GVWR ≤ 8,850 kgs)
- (62) Single unit straight truck (8,850 kgs < GVWR ≤ 12,000 kgs)</p>
- (63) Single unit straight truck (> 12,000 kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify):_____
- (89) Unknown motored cycle type

Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

Cate- gory	Configur- ation	ACCIDENT TYPES (Includes Intent)		
	A. Right Roadside Departure	DOAD MAARIAN AAA	ECIFICS HER	06 SPECIFICS UNKNOWN
. Single Driver	B. Left Roadside Departure		9 PECIFICS THER	10 SPECIFICS UNKNOWN
	C Forward Impact		5 PECIFICS THER	16 SPECIFICS UNKNOWN
1	D Rear-End	STOPPED SLOWER DECEL. 31 SP	ACH • 32) PECIFICS THER	(EACH • 33) SPECIFICS UNKNOWN
II Same Trafficway Same Direction	h Forward Impact	34 C) 36 C) 38 C) 40 E	CO (EACH .	42) (EACH • 43
	F. Sideswipe Angle	46 (EACH · 48) SPECIFICS OTHER	(EACH SPECIF	i • 49) cs unknown
ay Ction	G Head-On	50 51 (EACH • 52) (EACH • 53) SPECIFICS OTHER SPECIFICS UNKNOWN		
Same Trafficway Opposite Direction	H Forward Impact	54 55 56 57 58 59 60 CT CONTROL/ TRACTION LOSS TRACTION LOSS WITH VEH. WITH OBJECT	51	62)(EACH • 6: S SPECIFICS UNKNOWN
Ξ	1. Sideswipe' Angle	65 (EACH • 66) (EACH • 67) SPECIFICS SPECIFICS UNKNOWN LATERAL MOVE . OTHER		
Change Trafficway Vehicle Turning	J. Turn Across Path	69 71 73 72 INITIAL OPPOSITE INITIAL SAME DIRECTIONS DIRECTIONS	SPECIFICS OTHER	SPECIFICS
IV. Change Vehicle	K. Turn Into Path	77 79 81 82 TURN INTO SAME DIRECTION TURN INTO OPPOSITE DIRECTIONS	SPECIFICS OTHER	SPECIFICS
V Intervecting Paths (Vehicle Damage)	L. Straight Paths	87 (EACH • 90) 88 89 SPECIFICS OTHER	(EACH • !	31) UNKNOWN
VI. Miscel- lancous	M. Backing Eic.	92 93 OTHER VEH. 98 Other Accident OR OBJECT 99 Unknown Accident VEH. 00 No Impact		

	Highest
29. Basis for Total Delta V (highest)	+ 32. Lateral Component of Delta V —
 Delta V Calculated (1) CRASH program—damage only routine (2) CRASH program—damage and trajectory routine (3) Missing vehicle algorithm Delta V Not Calculated (4) At least one vehicle (which may be this vehicle) is beyond the scope of an acceptable reconstruction program, regardless of collision conditions. (5) All vehicles within scope (CDC applicable) of CRASH program but one of the collision conditions is beyond the scope of the CRASH program or other acceptable reconstruction technique, regardless of adequacy of damage data. (6) All vehicle and collision conditions are within scope of one of the acceptable reconstruction programs, but there is insufficient data 	Nearest kph (highest)Nearest kph (secondary) (NOTE:000 means greater than0.5 kph and less than +0.5 kph) (±160) ±159.5 kph and above (999) Unknown 33. Energy Absorption,0 0Nearest 100 joules (highest)Nearest 100 joules (secondary) (NOTE: 0000 means less than 50 joules) (9997) 999,650 joules or more (9999) Unknown
available. COMPUTER GENERATED DELTA V Highest 30. Total Delta V Nearest kph (highest) Nearest kph (secondary)	34. Confidence In Reconstruction Program Results (For Highest Delta V) (0) No reconstruction (1) Collision fits model — results appear reasonable (2) Collision fits model — results appear high (3) Collision fits model — results appear low (4) Borderline reconstruction — results appear reasonable
(NOTE: 000 means less than 0.5 kph) (160) 159.5 kph and above (999) Unknown 31. Longitudinal Component of + Delta V	35. Type of Vehicle Inspection (0) No inspection (1) Complete inspection (2) Partial inspection (specify): 36. Is this an AOPS Vehicle?
Nearest kph (highest) Nearest kph (secondary) (NOTE:000 means greater than -0.5 kph and less than +0.5 kph) (±160) ±159.5 kph and above (999) Unknown	 (0) No (1) Yes - researcher determined (2) VIN determined air bag system (3) VIN determined automatic (passive) belts (4) VIN determined air bag and automatic (passive) belts
	THIS VEHICLE? [] YES [] NO AM SUMMARY INCLUDED? [] YES [] NO

37.	Police Reported Other Drug Presence (0) No other drug(s) present (1) Yes [other drug(s) present]	φ_	DRUG EVALUATION OTHER DRUGS TEST RE		
	(7) Not reported (8) No driver present (9) Unknown	¥	Narcotic Drug	DEC Test Results 40.	Specimen Test Results 41. 6
38.	Police Reported Drug Evaluation Classification (DEC) Test For Driver (0) No DEC process available or given (1) DEC process given, results known (2) DEC process given, results unknown (3) DEC process available, unknown if given (8) No driver present	\$	Depressant Drug Stimulant Drug Hallucinogen Drug Cannabinoid Drug Phencyclidine (PCP) Inhalant Drug Other Drug (Excluding Nicotine, Aspirin, Alcohol, Drugs Administered Post-Cra	42.	43. ϕ 45. ϕ 47. ϕ 49. ϕ 51. ϕ 53. ϕ
39.	Other Drug Specimen Test Type For Driver (0) No specimen test given (1) Blood test (2) Urine test (3) Other specimen tests (specify): (7) Unspecified specimen test (8) No driver present (9) Unknown if specimen test given	ф.	(0) No DEC test given (1) Passed DEC test (2) Failed DEC test (3) DEC test given—resul (8) No driver present (9) Unknown if DEC test Codes for Specimen Test (0) No specimen test give (1) Drug not found in specime (2) Drug found in specime (7) Specimen test given, not obtained (8) No driver present (9) Unknown if specimen	ts unknown given Results en ecimen en results unkno	own or

OTHER DATA	61. Rollover Initiation Object Contacted
56. Driver's Zip Code (00000) Driver not present (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99999) Unknown 57. Driver's Race/Ethnic Origin	62. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane (3) End plane (4) Undercarriage
(0) Driver not present (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander (8) Other (specify):	(5) Other location on vehicle (specify): (8) Non-contact rollover forces (specify): (9) Unknown 63. Direction of Initial Roll (0) No rollover
58. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance	(1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (5) End-over-end (i.e., primarily about the lateral axis) (9) Unknown roll direction PRECRASH DATA
(7) Fire truck or car (8) Other (specify): (9) Unknown ROLLOVER DATA	64. Pre-Event Movement (Prior to
If GV07 (Body Type) ≠ 1-49, leave GV59-GV63 blank. If GV24 (Rollover) = 0, then GV59-GV63 must equal 0. If GV24 = 9, then GV59-GV63 must equal 9.	(01) Going straight (02) Slowing or stopping in traffic lane (03) Starting in traffic lane (04) Stopped in traffic lane (05) Passing or overtaking another vehicle
59. Rollover Initiation Type (0) No rollover (1) Trip-over (2) Flip-over (3) Turn-over (4) Climb-over (5) Fall-over (6) Bounce-over (7) Collision with another vehicle (8) Other rollover initiation type specify):	(06) Disabled or parked in travel lane (07) Leaving a parking position (08) Entering a parking position (09) Turning right (10) Turning left (11) Making a U-turn (12) Backing up (other than for parking position) (13) Negotiating a curve (14) Changing lanes (15) Merging (16) Successful avoidance maneuver to a previous critical event
60. Location of Rollover Initiation ϕ	(97) Other (specify): (98) No driver present (99) Unknown
(0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved (4) On roadside or divided trafficway median (9) Unknown	

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover	(57) Fence
(01-30) — Vehicle Number	(58) Wall
(ov oo)	(59) Building
Noncollision	(60) Ditch or culvert
(31) Turn-over — fall-over	(61) Ground
(33) Jackknife	(62) Fire hydrant
(00) Dackrille	(63) Curb
Callinian With Fixed Object	(64) Bridge
Collision With Fixed Object	
(41) Tree (≤ 10 cm in diameter)	(68) Other fixed object (specify):
(42) Tree (> 10 cm in diameter)	
(43) Shrubbery or bush	(69) Unknown fixed object
(44) Embankment	
	Collision with Nonfixed Object
(45) Breakaway pole or post (any diameter)	(71) Motor vehicle not in-transport
(12)	(76) Animal
Nonbreakaway Pole or Post	(77) Train
(50) Pole or post (≤ 10 cm in diameter)	(78) Trailer, disconnected in transport
	(79) Object fell from vehicle in-transport
(51) Pole or post (> 10 cm but ≤ 30 cm in	
diameter)	(88) Other nonfixed object (specify):
(52) Pole or post (> 30 cm in diameter)	
(53) Pole or post (diameter unknown)	(89) Unknown nonfixed object
(54) Concrete traffic barrier	(98) Other event (specify):
(55) Impact attenuator	
(56) Other traffic barrier (includes guardrail)	(99) Unknown event or object
(specify):	,,

		THECHAOTI DA	TA (Continued)
65.	Critic	cal Precrash Event	Pedestrian or Pedalcyclist, or Other Nonmotorist (80) Pedestrian in roadway
	This	Vehicle Loss of Control Due To:	(81) Pedestrian approaching roadway
		Blow out or flat tire	(82) Pedestrian—unknown location
		Stalled engine	(83) Pedalcyclist or other nonmotorist in roadway
	(03)	Disabling vehicle failure (e.g., wheel fell off)	(specify):
	,00,	(specify):	(84) Pedalcyclist or other nonmotorist approaching
	1041	Non-disabling vehicle problem (e.g., hood flew	roadway (specify):
	1047	up) (specify):	(85) Pedalcyclist or other nonmotorist—unknown
	IOE	Poor road conditions (puddle, pot hole, ice, etc.)	location (specify):
	(03)	(specify):	location (specify).
	1061	Traveling too fast for conditions	Object or Animal
			Object or Animal (87) Animal in roadway
	(00)	Other cause of control loss (specify):	(88) Animal approaching roadway
	(00)	Unknown cause of control loss	(89) Animal—unknown location
	(09)	Unknown cause of control loss	
	TL:-	Mahiala Tanualian	(90) Object in roadway
		Vehicle Traveling	(91) Object approaching roadway
		Over the lane line on left side of travel lane	(92) Object—unknown location
		Over the lane line on right side of travel lane	(00) Other existent assessment assessibility
		Off the edge of the road on the left side	(98) Other critical precrash event (specify):
		Off the edge of the road on the right side	(00)
		End departure	(99) Unknown
		Turning left at intersection	
		Turning right at intersection	
		Crossing over (passing through) intersection	For Corrective Actions Attempted see variable GV14
	(19)	Unknown travel direction	(Attemped Avoidance Manuever)
		er Motor Vehicle In Lane	
		Stopped	66. Precrash Stability After Avoidance Maneuver
	(51)	Traveling in same direction with lower speed	(0) No avoidance maneuver
		(i.e., lower steady speed or decelerating)	(1) Tracking
	(52)	Traveling in same direction with higher speed	
	(53)	Traveling in opposite direction	(2) Skidding longitudinally—rotation less than 30
	(54)	In crossover	degrees
	(55)	Backing	(3) Skidding laterally—clockwise rotation
	(59)	Unknown travel direction of other motor vehicle	(4) Skidding laterally—counterclockwise rotation
		in lane	(7) Other vehicle loss-of-control (specify):
	Othe	er Motor Vehicle Encroaching Into Lane	(8) No driver present
	(60)	From adjacent lane (same direction)—over left	(9) Precrash stability unknown
		lane line	· ·
	(61)	From adjacent lane (same direction)—over right	·
		lane line	67. Precrash Directional Consequences of
	(62)	From opposite direction—over left lane line	Avoidance Maneuver (Corrective Action)
		From opposite direction—over right lane line	(0) No avoidance maneuver
		From parking lane	
		From crossing street, turning into same	(1) Vehicle stayed in travel lane where avoidance
	• •	direction	maneuver was initiated
	(66)	From crossing street, across path	(2) Vehicle stayed on roadway but left travel lane
		From crossing street, turning into opposite	where avoidance maneuver was initiated
	, ,	direction	(3) Vehicle stayed on roadway, not known if left
	(68)	From crossing street, intended path not known	travel lane where avoidance maneuver was
		From driveway, turning into same direction	initiated
		From driveway, across path	(4) Vehicle departed roadway
		From driveway, turning into opposite direction	(5) Avoidance maneuver initiated off roadway
		From driveway, intended path not known	
		From entrance to limited access highway	(8) No driver present
		Encroachment by other vehicle—details	(9) Directional consequences unknown
	1701	unknown	
		*** IF THE CDS APPLICABLE VEHICLE W	AS NOT INSPECTED (I.E., GV35 = 0), ***
			R AND INTERIOR VEHICLE FORMS.

*** IF GV07 DOES NOT EQUAL 01-49, DO NOT COMPLETE *** THE EXTERIOR VEHICLE, INTERIOR VEHICLE, OCCUPANT ASSESSMENT, AND OCCUPANT INJURY FORMS.



CRASHPC PROGRAM SUMMARY

National Highway Traffic Sa Administration	ıfetγ	(All Measurer	ments in Metric)	CRASHWORTHINES			
Identifying Title							
	DSI-94-AB-416		<i>\phi</i> 1	9	4		
Primary Sampling Unit	Case NoStratum		ccident Event D Sequence No.	ate (Month, day, year) of Ru	ın		
CRASHPC Vehicle I	dentification						
Vehicle 1		Buck	LESABA	LE	<u>φ1</u>		
Vehicle 2		ENTERNATIO	DN4L F937	\$ * (OUT-OF-SCOPE)	<u> </u>		
	Year	Make		Model	NASS Veh. No.		
	GI	NERAL IN	FORMATION	ATTENNES OF LESS.			
	VEHICLE I			VEHICLE 2			
Size		4	Size				
Weight			Weight				
1564 + 221 + Curb Occupant(s)		<u>5</u> kg	Curb Occupant(s)	=	kg		
CDC _	12 FDE	<u>w_3</u>	CDC				
PDOF (-180 to +18	30) 🖆 🙍 _	<u> </u>	PDOF (-180 to +18	30) ±	o		
Stiffness		_9_	Stiffness				
	5	SCENE INF	ORMATION				
Rest and Impact Po-	sitions [] No, Ga To	n Damage Inf	ormation [] Yes				
	VEHICLE 1			VEHICLE 2			
Rest Position	х	_ · m	Rest Position	X	_ · m		
	Υ	_ · m		Υ	_ · m		
	PSI	°		PSI	°		
Impact	x	m	Impact Position	x	m		
Position	Υ	m	Position	Υ	m		
	PSI	°		PSI	_ · °		
Slip Angle(-180 to +180) °			Slip Angle (-180 to +180) o				
		VEHICLE	MOTION				
Sustained Contact	[] No [] Yes						
	VEHICLE 1			VEHICLE 2			
Skidding (Rotation)	[] No	[] Yes	Skidding (Rotation)	[] No	I] Yes		
Skidding Stop B		[] Yes	Skidding Stop E		[] Yes		
End of Rotation Position	x	m	End of Rotation Position	x	m		
Position	Υ	m	Position	Υ	m		
	PSI	°		PSI	°		
Curved Path	[] No	[] Yes	Curved Path	[]No	[] Yes		
Point on Path			Point on Path		A A CONTRACTOR OF THE PROPERTY		
×	m Y	m	x	m Y	· m		
Rotation Direction	[] None [] CW	LICCW	Rotation Direction	[] None [] CW	LICCW		
Rotation >3600	20V [] 0M []		Rotation >360°	I I No. I I Vas			

National Accident Sampling System-Crashworthiness Data System: CRASHPC Program Summary

FRICTION	INFORMATION	TRAJECTORY INFORMATION					
Coefficient of Friction	n •	Trajectory Data []	[No [] Yes				
Rolling Resistance Opti		If No, Go To Demage	Information				
Moning Resistance Opti		Vehicle 1 Steer Angle					
Vehicle 1 Rolling R	acietanca	Venicle i Steer Angle	. O DE O				
	RF	Lr	° RF ° ° ° RR ° ° ° ° ° ° ° ° ° °				
	RR	LK	NN				
Ln	·	Mahiata O Chang Apple	_				
Vehicle 2 Rolling R	asistanca	Vehicle 2 Steer Angle					
	RF	Lr	° RF ° ° °				
	RR	LK	NN				
ru · _							
		Terrain Boundary [] No [] Yes				
	•	First Point					
		X m	Y m				
		Second Point	V				
•	•	\ \	Y n				
		Secondary Coefficient of Friction					
	DAMAGE IN	FORMATION					
VI	EHICLE 1	VEHICLE 2					
Damage Length	L <u>/ 5 5</u> cm	Damage Length	L cm				
Crush Depths	C ₁ Ø <u>5</u> 6 cm	Crush Depths	C ₁ cm				
Ordon Doptino	$C_2 \frac{\phi}{53} cm$	•	C ₂ cn				
	$C_3 \phi 5 \psi cm$	•	C ₃ cm				
	$C_4 \frac{\cancel{\cancel{0}} \cancel{\cancel{5}} \cancel{\cancel{2}} \text{cm}}{\cancel{\cancel{5}} \cancel{\cancel{2}} \text{cm}}$		C cn				
	C_6 $\frac{\phi}{\phi}$ $\frac{3}{3}$ cm		C _s cn				
	$C_6 \frac{\cancel{\phi} \cancel{3} \cancel{\phi}}{\cancel{\phi}} cm$	•	C. cn				
	C ₆ <u>4</u> <u>5</u> 6 cm	•					
Damage Offset	D + <u>ø ø ø</u> cm	Damage Offset	D ±cn				
		E NOT IN TOANCOOK FILE	IN THE INFORMATION BELOW.				
IF THIS COMMON IM	PACT WAS WITH A MOTOR VEHIC	LE NOT IN TRANSPORT, FILL					
	PACT WAS WITH A MOTOR VEHICI	The Weight, CDC, Scer	ne Data and Damage Information				
Model Year:			ne Data and Damage Information				
Model Year:		The Weight, CDC, Scer	ne Data and Damage Information				
Model Year: Make: Model:		The Weight, CDC, Scer	ne Data and Damage Information				

DSI-94-AB-010

SUMMARY OF CRASHPC RESULTS (USING SPINOUT)

CRASH3 RECONSTRUCTION

SPEED CHANGE		TOTAL (KPH)	LONG.(KPH)	LAT.(KPH)	ANG.(DEG)
(DAMAGE)	VEH #1	39.1	-39.0	3.4	-5.0
•	VEH #2	.0	.0	.0	.0

EMERGY DISSIPATED BY DAMAGE VEH#1:107009.1 JOULES VEH#2: .0 JOULES

```
(* INDICATES DEFAULT VALUE)
SUMMARY OF DAMAGE DATA
                                   VEHICLE # 2
        VEHICLE # 1
TYPE----CATEGORY 4
                                 TYPE----CATEGORY 11
                                 STIFFNESS---CATEGORY 0
STIFFNESS---CATEGORY 9
                                 WEIGHT----- 453600.0 KGS
WEIGHT----- 1785.8 KGS
                                 CDC-----BARRIER
CDC-----12FDEW3
L----- 154.9 CM.
                                 [-----
                                              .0 CM.
                                 C1-----
                                             .O CM.
C1----- 56.1 CM.
                                 C2----
C2---- 52.6 CM.
                                              .0 CM.
C3----- 54.1 CM.
                                              .0 CM.
                                 C4-----
C4----- 51.8 CM.
                                              .0 CM.
                                 C5-----
                                              .0 CM.
C5---- 33.0 CM.
                                              .0 CM.
C6----- 29.5 CM.
                                              .0 CM.
           .O CM.
                                 RHO-----
RHO----- 1.00
                                             1.00
                                            .0 DEG. *
                                 ANG-----
ANG----- -5.0 DEG.
D'-----
          -7.9 CM.
                                 D'-----
                                              .O CM.
```

DIMENSIONS AND INERTIAL PROPERTIES

Al	=	138.9	CM.	A2	=	127.0	CM.	
Bl	=	150.4	CM.	B2	=	127.0	CM.	
TR1	=	157.0	CM.	TR2	=	127.0	CM.	
Il	=	432655	.6 NEWT-SEC**2-CM					NEWT-SEC**2-CM
Ml	=	17.926	NEWT-SEC**2/CM	M2	=4	553.302	NEW	T-SEC**2/CM
XF1	:	251.0		XF2	=	127.0	CM.	
XRl	=	-289.6	CM.	XR2	=	-127.0	CM.	
YSl	=	97.8	CM.	YS2	=	127.0	CM.	

DSI-94-AB-010

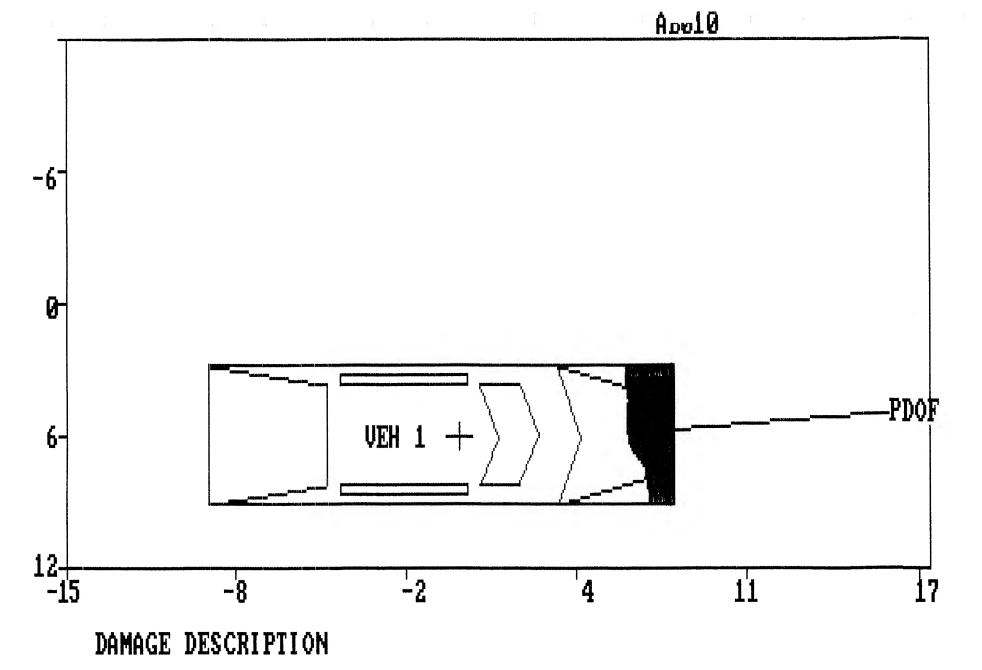
SUMMARY OF CRASHPC RESULTS (USING SPINOUT)

CRASH3 RECONSTRUCTION

SPEED CHANGE		TOTAL (MPH)	LONG. (MPH)	LAT.(MPH)	ANG. (DEG)
(DAMAGE)	VEH #1	24.3	-24.2	2.1	-5.0
,	VEH #2	.0	. 0	.0	.0

ENERGY DISSIPATED BY DAMAGE VEH#1: 78915.3 FT-LB VEH#2: .0 FT-LB

```
SUMMARY OF DAMAGE DATA
                             (* INDICATES DEFAULT VALUE)
                                     VEHICLE # 2
         VEHICLE # 1
TYPE-----CATEGORY 4
                                  TYPE-----CATEGORY 11
STIFFNESS---CATEGORY 9
                                  STIFFNESS---CATEGORY 0
                                  WEIGHT-----1000000.0 LBS. *
WEIGHT---- 3937.0 LBS.
                                  CDC-----BARRIER
CDC-----12FDEW3
                                  L---- .0 IN.
L-----
            61.0 IN.
C1-----
                                  Cl-----
                                                .O IN.
            22.1 IN.
                                  C2----
C2----- 20.7 IN.
                                                .0 IN.
                                  c3-----
                                                .O IN.
C3----- 21.3 IN.
                                  C4-----
                                                .0 IN.
C4----- 20.4 IN.
                                  C5-----
C5----- 13.0 IN.
                                                .0 IN.
                                  C6-----
C6----- 11.6 IN.
                                                .0 IN.
                                   D-----
                                                .0
D-----
            .0
                                  RHO-----
                                               1.00
RHO-----
            1.00
                                   ANG----
                                               .0 DEG. *
ANG----
           -5.0 DEG.
D'-----
                                                 .0 IN.
            -3.1 IN.
                 DIMENSIONS AND INERTIAL PROPERTIES
           54.7
                               A2
                                          50.0
                                                 IN.
Al
                  IN.
                               B2
                                          50.0
                                                 IN.
           59.2
                  IN.
Bl
                                                 IN.
TRI
           61.8
                  IN.
                               TR2
                                          50.0
                              12
                                     =2600104000.0 LB-SEC**2-IN
           38295.2 LB-SEC**2-IN
11
                                     =2600.104 LB-SEC**2/IN
       = 10.237
                  LB-SEC**2/IN
                             M2
Ml
                              XF2
                                     = 50.0
                                                 IN.
XFl
           98.8
                  IN.
                               XR2
                                     = -50.0
                                                 IN.
XRl
      = -114.0
                  IN.
                                          50.0
                                                 IN.
     = 38.5
                 IN.
                               YS2
```



AIRBAG VEHICLE INSPECTION

ACCIDENT SUMMARY

1.	Accident Date: 94		10.	Date Vehicle Inspected:	
2.	Police Investigated (1) Yes (2) No (3) Unknown Agency: County Police City: County:		11.	Reason Vehicle Not Inspected (0) Not Required (1) Inspection Completed (2) Cannot be Located (3) Repaired or Destroyed (5) Refusal or Impounded (7) Other:	
3.	General Locality (1) Freeway, Limited Access (2) Urban (City) (3) Urban-Rural (mixed) (4) Rural, Fields	2	12.	Impact Data Obtained (0) No Data Obtained (1) CDC Only (2) Crush Profile Only (3) Trajectory Data Only	4
4.	Configuration (First Harm) (0) Struck Object or Ped (1) Rear-End (2) Head-On (3) Rear-to-Rear	2		(4) CDC and Crush Profile(5) CDC and Trajectory(6) Crush and Trajectory(7) CDC, Crush, and Trajectory	
	 (4) Angle (5) Sideswipe-Same Direction (6) Sideswipe-Opposite Dir. (7) Noncollision (8) Nonimpact Deployment (9) Unknown 		13.	Basis of Delta-V (0) Not Computed (Unknown why) (1) CRASH - Damage Only (2) CRASH - Damage + Traj (3) OLDMISS (4) POLES (5) Unknown Basis	1
5.	Fire Involved (0) None (1) Airbag Vehicle (2) Other Vehicle (3) Both Vehicles	#	VEHI	(6) One Vehicle Beyond Scope (7) Collision Beyond Scope (8) Insufficient Data CLE HISTORY	
	(9) Unknown				
6.	Vehicles Involved	2	14.	Prior Impacts for AB Vehicle? (1) Yes (2) No (9) Unknown	2
7.	Persons Involved	5	15.	Has Any Prior Maintenance or Service Been Performed on System	2
8.	Injured Persons	5		(1) Yes (2) No (9) Unknown	
9.	Maximum AIS in Accident	5		Describe:	

Airbag Vehicle First Harmful Event 21. AIRBAG VEHICLE 13 (01) Fire or explosion Fleet: NONE VIN: 194HR52L3RH (02) Immersion (03) Gas Inhalation Mileage: 1,334 kms (829 mis) (04) Fell from vehicle (05) Injured in vehicle SYSTEM READINESS LAMP (06) Other noncollision (specify): (07) Overturn Pre-Impact Lamp Condition 16. 9 (1) Functioning/Proved Out (08) Jackknife **COLLISION WITH:** (2) Inoperative (9) Unknown (09) Pedestrian (10) Pedalcyclist (11) Railway train Driver's Report of Pre-Impact 17. 9 (12) Animal Flashing (13) Motor vehicle in transport (00) No Flashing Reported (same roadway) (01) Continuous Flashing (14) Motor vehicle in transport (02)(other roadway) Number of Flashes: (15) Parked motor vehicle (11)(16) Other type nonmotorist (specify): (12) Constant Light (17) Thrown or falling object (19) Flashing, Unknown Number (88) Not Applicable, System Removed (18) Boulder COLLISION WITH FIXED OBJECT (99) Unknown (20) Building (21) Impact attenuator/crash cushion 18. Period of Pre-Impact Flashing (22) Bridge pier or abutment (0) No Flashing (23) Bridge parapet end (1) Same Day as Impact (24) Bridge rail (2) Prior Day (3) Prior Two Days (25) Guardrail (26) Concrete traffic barrier (4) Prior Week (27) Median barrier (5) Prior Month (28) Other longitudinal barrier (specify): (6) Over One Month (29) Highway/traffic sign post (9) Unknown (30) Overhead sign support (31) Luminaire/light support 19. Post-Impact Lamp Condition 2 (32) Utility pole (1) Functioning/Proved Out (33) Other post, pole, or support (2) Inoperative (9) Unknown (34) Culvert (35) Curb (36) Ditch 20. Post-Impact Flashing 99 (37) Embankment-earth (00) No Flashing Reported (38) Embankment-rock, stone, or concrete (01) Continuous Flashing (39) Fence (02)(40) Wall Number of Flashes: (41) Fire hydrant (11)(42) Shrubbery (12) Constant Light (19) Flashing, Unknown Number (43) Tree (88) Not Applicable, System Removed (44) Other fixed object (specify): (45) Pavement surface irregularity (99) Unknown (99) Unknown

AIRBAG VEHICLE IMPACT SUMMARY			FRONT BUMPER E.A. STATUS			
22.	Vehicle Role (0) Noncollision (1) Striking unit	3	30.	Left	4	
	 Striking unit Struck unit Both striking and struck Unknown 		31.	Right (1) Normal (2) Extended	3	
23.	Manner of Leaving Scene (1) Driven (2) Towed-due to damage (3) Towed-not for damage (4) Towed-details unknown	2	DED CO	 (3) Partial Compression (4) Complete Compression (5) Not Applicable (9) Unknown AIRBAG VEHICLE IMPACT:		
	(5) Abandoned(9) Unknown					
24.	Number of Impact Events (8) 8 or more (9) Unknown	1	32.	Configuration (0) Struck Object or Ped (1) Rear-End (2) Head-On (3) Rear-to-Rear	2	
25.	Rollover (0) No rollover (1) First event (2) Subsequent event (3) Yes, Unknown event (9) Unknown	ø		 (4) Angle (5) Sideswipe-Same Direction (6) Sideswipe-Opposite Dir. (7) Noncollision (8) Nonimpact Deployment (9) Unknown 		
26.	Override/Underride (0) No override/underride	3	33.	CDC: 12 FDEW 3		
	(1) Override - 1st CDC(2) Override - Other CDC(3) Underride - 1st CDC		34.	Object Contacted: 1987 INTE	EANLTIONAL RAILE C	
			PRIMA	ARY/DEPLOYMENT IMPACT	:	
	(4) Underride - Other CDC(9) Unknown		35.	Event Number	1	
	G VEHICLE DAMAGE S: (1) Yes, damaged (2) No damage (9) Unknown		36.	Total Delta-V (24np)		
27.	Left Front Fender Damage		37.	Longitudinal Delta-V (-24m	ph) 39 KPM *	
28.	Right Front Fender Damage		38.	Configuration See 32 above for codes	2	
20	G		39.	CDC: 12 FDEW 3		
29.	Center Top of Grille Damage		40.	Object Contacted: 1987 INTE	RNATIONAL	

*MARGINAL RECONSTRUCTION, VZ IS OUT OF SCOPE

AIRBAG SYSTEM DAMAGE

CODES: (1) Yes, Damaged

- (2) No, Intact
- (3) Not Applicable
- (9) Unknown
- 41. Airbag Module
- 2
- 42. Left Front Sensor

- 7
- 43. Center Front Sensor
- 3

44. Right Front Sensor

1

45. Rear Cowl Sensor

3

46. Diagnostic Module

2

47. Wiring

2

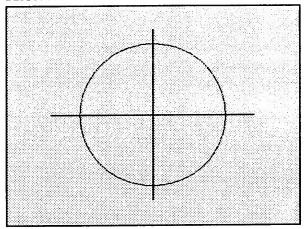
48. Knee Diverter

- 3
- 49. Indication of disconnected or loose electrical connectors
- 2
- 50. Condition of Deployed Bag
 - (1) Bag intact
 - (2) Split or torn
 - (3) Cut by object in impact
 - (4) Cut after accident
 - (5) Other
 - (8) NA (not deployed)
 - (9) Unknown

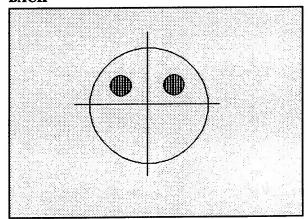
DESCRIBE SYSTEM AND BAG DAMAGE:

NOTE DAMAGE AND CONTACT MARKS ON AIRBAG DIAGRAMS BELOW: No CONTACT MARKS.

FRONT



BACK



O COMPANIES OF A FEBRACICAR		MAXIMUM AIS BY BODY REGION					
OCCUPANTS OF AIRBAG CAR			REGION	MAX AIS	CONTAC	CT	
		***************************************	Head/Neck/Fa	ace	97		
51.	Number of Occupants in Vehicle	4	Chest	_5_			
50	Number of Injured Descens	20002200	Abdomen		41		
52.	Number of Injured Persons	4	Legs/Hips	_3_			
52	Maximum AIS in Airbag Vehicle	389000°	Other (Arms)	<u>3</u>	1\$		
53.	(0) No Injury (1-6) AIS Severity (7) Injured, unknown severity	5	Driver Maximum	_5_	41		
	(9) Unknown		EJECTION -	NONE			
DRIV	ER		Extent: ~/ A				
	Age: 7 ¢		Porta	il			
	Sex: MALE			d: ~/#			
54.	Number of Driver Injuries		OTHER VEH	IICLE:			
<i>E E</i>	Course of Boot Injury Data	20180000	Maximum AI	S			
55.	Source of Best Injury Data (0) Not injured (1) Autopsy	2	Prime/Deploy Event Numbe	Impact w AB Ver	hicle		
	(2) Hospital Medical Records (3) Emergency Room only		CDC: TDC	12FZLW2			
	(4) Private physician, clinic (5) Lay Coroner Report		Total Delta V			N/A	
	(6) EMS Personnel(7) Interviewee(8) Police(9) Unknown		Make	: INTERNATIO	NAL		
			Mode	el Year: 1987			
			Mode	el: F 937¢ CBE			
			Body	Type: TRACTOR	TRAILER		

NOTES:

DRIVER BELT USAGE: (1) Used (2) Not Used (9) Unknown Evidence: PULKERING/LOAD MARKS/INJURIES 2 DRIVER POSTURE: Any comments Recorded (1) Yes, (2) No Describe driver's posture and position on seat including specific comments on head, torso, buttocks, legs, and feet. Also note hand and arm position. Did driver brace before crash? Describe: 2_ DRIVER FOREIGN OBJECTS: Comments Recorded (1) Yes, (2) No Was driver wearing contact lenses or eyeglasses? Or holding any foreign object at the time of the impact (packages on lap, pipe, food, bottle, cigarette, etc.)? Did any lenses, objects, or jewelery play any role?: DRIVER COMMENTS: Comments Recorded (1) Yes, (2) No 2 Was the driver aware that the vehicle was equipped with a supplemental restraint system? Did driver offer any comments on smoke, noise, etc.? Did the driver comment on the airbag as a restraint system? Describe: PASSENGER-AIRBAG CONTACT: (1) Yes, (2) No, (9) Unknown

Describe: VEHICLE EQUIPPED WITH PASSENGER SIDE AIR BAG. SEE ATTACHED MOTTONAL FORM PAGES.

AIRBAG SYSTEM DAMAGE (PASSENCER SIDE)

CODES: (1) Yes, Damaged

- (2) No, Intact
- (3) Not Applicable
- (9) Unknown

41. Airbag Module

2

42. Left Front Sensor

43. Center Front Sensor

3

44. Right Front Sensor

45. Rear Cowl Sensor 3

Diagnostic Module 46.

2

47. Wiring 2

Knee Diverter 48.

3

Indication of disconnected 49. or loose electrical connectors

2

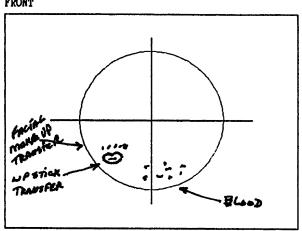
50. Condition of Deployed Bag

- (1) Bag intact
- (2) Split or torn
- (3) Cut by object in impact
- (4) Cut after accident
- (5) Other
- (8) NA (not deployed)
- (9) Unknown

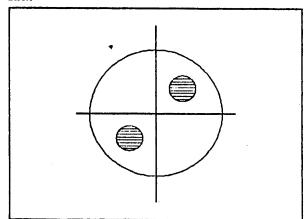
DESCRIBE SYSTEM AND BAG DAMAGE: No DAMAGE

NOTE DANAGE AND CONTACT MARKS ON AIRBAG DIAGRAMS BELOW:

FRONT



BACK



OCCUPANTS OF AIRBAG CAR			MAXIMUM AIS BY BODY REGION			
			REGION MAX AIS CONTACT			
51.	Number of Occupants in Vehicle	4	Head/Neck/Face			
		L_1_1	Chest <u>5</u> <u>11</u>			
52.	Number of Injured Persons	4	Abdomen 1 41			
		hadrad	Legs/Hips <u>3</u> <u>11</u>			
53.	Maximum AIS in Airbag Vehicle (0) No Injury	5	Other (Arms) 3 16			
	(1-6) AIS Severity (7) Injured, unknown severity (9) Unknown		OCCUPANT Maximum 5 11			
01-			EJECTION NONE			
K/ F	OCCUPANT:		Extent: N/A			
	λge: 7 /					
	Sex: FEMALE		Portal: N/A			
54.	Number of RIF Occupant	5				
	Injur e s	<u> </u>	OTHER VEHICLE:			
55.	Source of Best Injury Data (0) Not injured	2	Maximum AIS			
	(1) Autopsy (2) Hospital Medical Records (3) Emergency Room only		Prime/Deploy Impact w AB Vehicle Event Number			
	(4) Private physician, clinic (5) Lay Coroner Report		CDC: =TDC 12FZLWZ			
	(6) EMS Personnel		Total Delta V	N/A		
	(7) Interviewee(8) Police		Hake: International			
	(9) Unknown		Model Year: 1987			
	· ·		Nodel: F 9374 CBE			
			CBE Body Type: TRACTOR/TRAILER			

NOTES:

RIF

BELT USAGE: (1) Used (2) Not Used (9) Unknown

2

Evidence:

DRIVER POSTURE: Any comments Recorded (1) Yes, (2) No

2

Describe driver's posture and position on seat including specific comments on head, torso, buttocks, legs, and feet. Also note hand and arm position. Did driver brace before crash? Describe:

DRIVER FOREIGN OBJECTS: Comments Recorded (1) Yes, (2) No

2

Was driver wearing contact lenses or eyeglasses? Or holding any foreign object at the time of the impact (packages on lap, pipe, food, bottle, cigarette, etc.)? Did any lenses, objects, or jewelery play any role?:

RIF

OCCUPANT COMMENTS: Comments Recorded (1) Yes, (2) No

2

Was the driver aware that the vehicle was equipped with a supplemental restraint system? Did driver offer any comments on smoke, noise, etc.? Did the driver comment on the airbag as a restraint system? Describe:

DRIVER-AIRBAG CONTACT: (1) Yes, (2) No, (9) Unknown

2

Describe:

	State of Maryland Moto		report BEST	AVAILABLE CUPY .
PORT-NO	1 PAGE OF ACCIDENT DATE 3 ACCIDENT TIME 4 REPORT 1 2 9 4 1 9 1 1 0 HIT 8	TYPE PDO L' D'INJURY D' PDO L' RUN D' NON-TRAFFIC	6	PHOTOS I NO 9 VES
VESTIGAT	ING OFFICER ID 10 AGENCY AND AREA 11 SUPERVISING OFFICER ID	12 REVIEW	13 CODE - AND - NAME OF M	UNICIPALITY 14 COUNTY 025
RD CHAR	RTE NUM Accident Occurred On 17 ROAD NAME 1VG.	18 IN LANE TRAFSIC 19 □ NO 20 □ 4ES	U 163	W 9 Other PYES
COND O 21	INT-RTE 25 INTERSECTING ROAD NAME or Log Mile Reference Manual On ramp Hw		MILEPT 27 DIR 28	Acc fr INT-RTE/Ref. & Dir. 29 ☐ Ft ☐ Mi
RD DIV	ACCIDENT Show & Label: Roads, Traffic Units, the Travel Direction 31 NORTH: DIAGRAM consistent with the Log Mile Reference Manual; and Movement	DESCRIBE ACCIDENT briefly: ident a) the OBJECT DAMAGED & NAT b) the NAME & ADDRESS OF OV	ify units by numbers. Also identify the following FURE OF DAMAGE (Property other than vehicles) VNER when applicable.	and 33
COND	OA ROMPTO		was traveling East	on Blvd.
C/M ZONE NO 35 YES	CAN A	failed to s	top for the red lig	ht at the
C 32		intersection	of Blvd. and	the on ramp to
event-1 C 1			Hwy. and struck	vehicle two.
O 36	3			
FIX OBJ				
1,1				
UCHTE C				
ATHER				
UNIT * 43 0 1	NAME (First, Middle, Last) 44 SE2		e, Last)	44 SEX 45
PE F 46	ADDRESS (No., Street, City, State, Zip) TEL DAOH DIE / 17 IN	48 TYPE ADDRESS (No., Str	reet, City, State, Zip)	INL 48
DRIVER PED"		DRIVER PED"	TEST RESULT FOR AGE 55	TYPE LOCAT'N OBEY VISIBL
0.5	51 52 53 • 54 PEDS Ø 55 56 57 58	59 C 50 O1 51 O1	53 • 54 PEDS ONLY Ø	56 57 58 59
EED LIMIT		ULT SPEED LIMIT SAF, EQU EQ PROB NO 65 3 50 1 1 1 0 62 RES 3 50 1 1 1 0 62	0 4	64 FAULT □NO 65 □YES
O eg	DRIVER'S LICENSE NUMBER 57 66 7 67	GOING DRIVERS HOCKSENI		67 C A8 A69
UNITING 79	DR DATE OF BIRTH 7 REGULAR CONDITION 72 HM SPILL HAZ MAT NUMBER 73 PARKED CAUGHT FIRE 73 PARKED DRIVEREES ON TY	74 CONTINU DR DATE OF BIRTH	PARKED CAUGHT FIRE	IM SPILL 73 74
BODY TY 0 72	COMMER. U. S. DOT NUMBER ICC NUMBER BODY TY CDL?	O 79 Z5 VEHICLE	DOT NUMBER 76 ICC NUMBER	77 78 NO 79
O T	OWNER OR CARRIER NAME (Write "SAME" II Driver) Same as above		NAME (Write "SAME" if Driver)	EL □ Work □ Res
CONTRIB RCUM- ANCES	OWNER/CARRIER ADDRESS	83 CIRCUM- STANCES OWNER/CARRIER AD	DDRESS	Ca
1 82-19 82-2	YEAR & MAKE OF VEHICLE MODEL 1st IMPACT PT. 87	STANCES STANCES STANCES STANCES STANCES STANCES STANCES STANCES STANCES STANCE	HICLE MODEL	TOWED VEH (S) 84
0 (9 4 Buick 85 4 Dr 86 MAIN IMPACT 88 C	0 0 87 Int	1. 85 Trac	
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AM EXT		0 4		
TRAFFIC UNIT #	SEATING CODE all injured & uninjured PASSENGERS below. Use "W" for witness in TRAF I POSITION WRITE NAME & ADDRESS of Injured Passengers and Witnesses.	UNIT and SEAT columns. Wtness	telephone #. SEX AGE EQU	P PROB. SEVER TION UNIT
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0 1	Q 3		Md 977.	1010401
			0 1	
	INJURED TAKEN BY: INJURED TAKEN TO: EMS RUN REPORT #	E UNIT INJURED TAKEN BY:	INJURED TAKEN TO:	109 THIS KUNKEPORT
107	Helicopter Shock trauma/ 109	110 MB 107	108	